WATCHES & JEWELRY

Korones Bros

WATCH MATERIALS & JEWELERS' SUPPLIES.

IMPORTERS AND JOBBERS.

38 Chrystie St. NEAR CANAL ST.

NEW YORK.

A FULL LINE OF OPTICAL GOODS

JANUARY 1st, 1904.

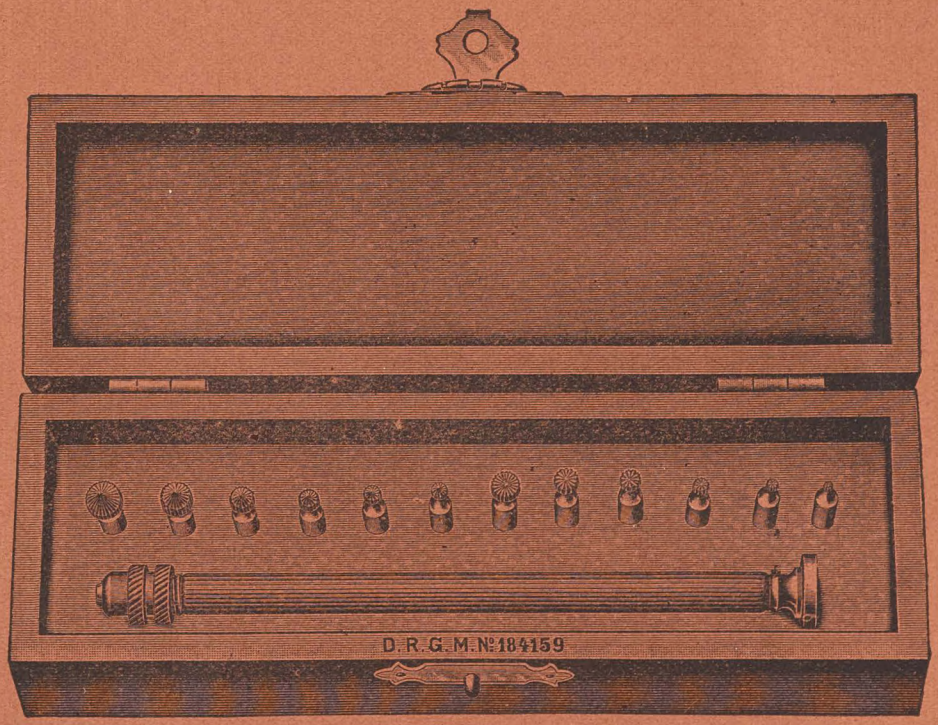
SINKLAISKAS
RTL030812

Patent awarded Sept. 15, 1903.

MARSH SELF-ADJUSTING MOVEMENT HOLDER.

For protecting Center Jewel from being broken or pushed out of setting, while fitting on cannon pinion or hands. By using this Movement Holder it is impossible to break the jewel or push it out of setting.

Any watch-maker can use this tool, because it is simple in construction and practical. This movement holder can be used for all size movements, viz., from the largest to the smallest. **Price, $2.75.**

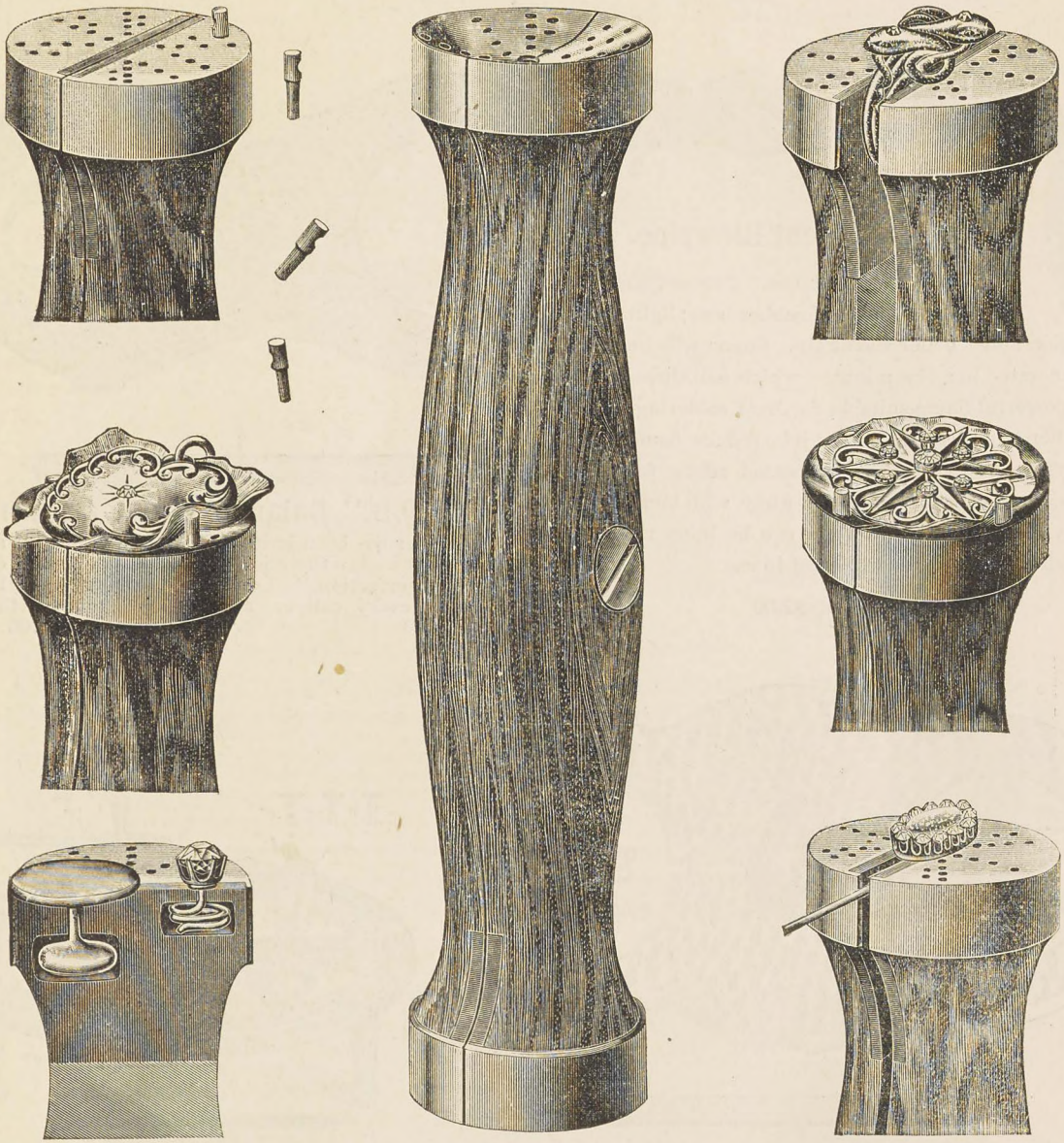


COUNTERSINKS NO. 65.

Consisting of 6 flat and 6 V shaped cutters, designed expressly for work on stone-setting.

Price, per set $2.50.

$30.00
TWELFTH STREET BOOKSELLERS
5/00

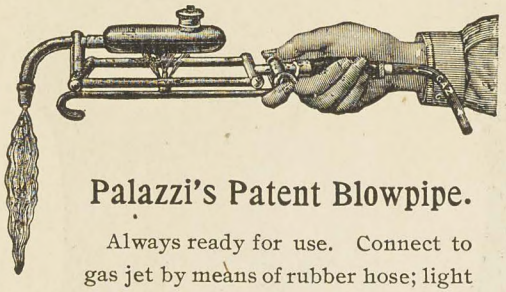


THE "NATIONAL" UNIVERSAL JEWELRY HOLDER.

For holding jewelry of any description or shape, while setting stones, engraving, etc. The above illustrations show the adaptability of the holder for all kinds of work.

A trial of the National Universal Jewelry Holder will prove conclusively that its use is not only conducive to great economy, saving time, labor, gas, shellac and materials, but it is also the means of producing cleaner and better results.

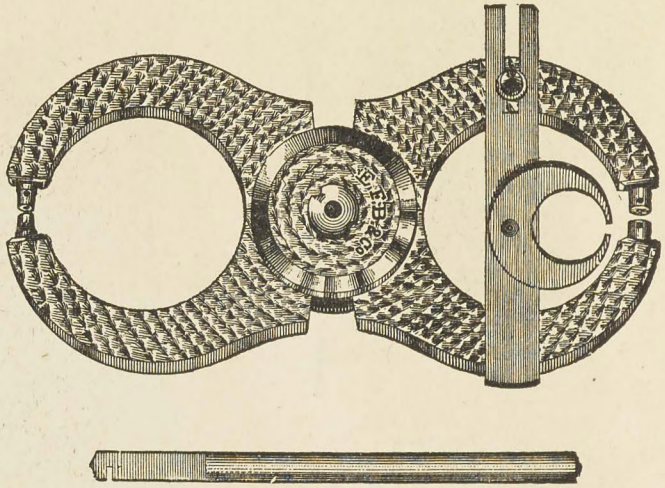
Complete with extra pins, full directions and useful hints. **Price, $1.50.**



Palazzi's Patent Blowpipe.

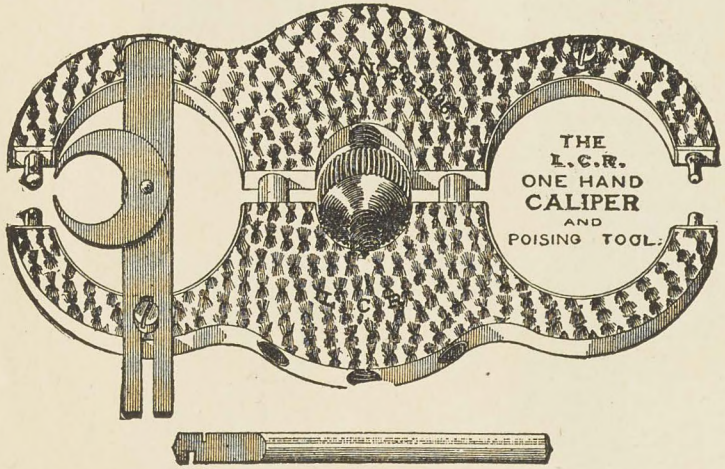
Always ready for use. Connect to gas jet by means of rubber hose; light flame under boiler and at tip. Steam will be generated in a few minutes, which will throw a powerful flame suitable for hard soldering. When through with the job, reduce flame sufficiently to keep water heated ready for the next repair. This does away with cumbersome bellows. Blowpipe can be hung up with flame lighted, while not in use.

Price each, $2.00



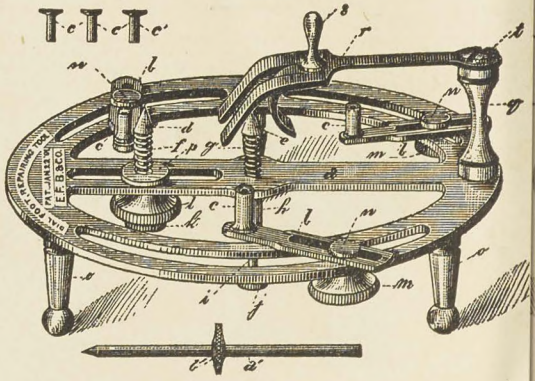
The "E.F.B." Balance Truing Caliper.

This caliper has been imitated in the East as well as the West but to-day there is only one caliper worthy of the term "Perfection." Look for the name "E.F.B. & Co." on every caliper, and be sure you get the genuine. **Price each, $2.00**



The "L. C. R." One Hand Parallel Caliper.

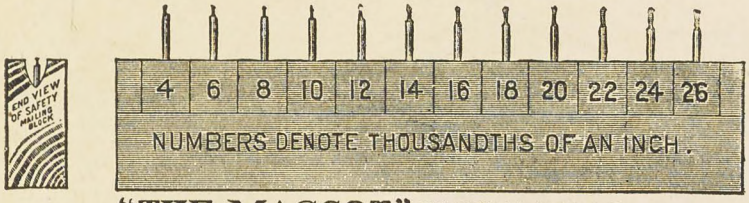
This caliper is accurately made of fine watch nickel, finely finished and the only parallel caliper that can be operated with one hand, leaving the other hand free to handle the work. It is superior to all other makes of parallel calipers now on the market. **Price each, $3.00**



Lancaster Dial Foot Tool.

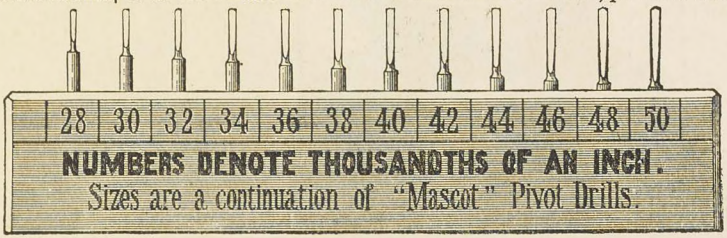
Nickel plated, each 75c.

The "Mascot" Pivot Drill



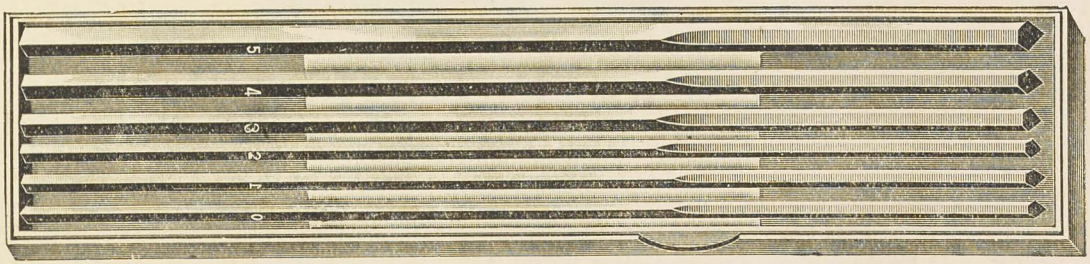
"THE MASCOT" PIVOTING DRILLS,

No. 14 Drill-Enlarged six times.
Sizes from 4 to 26 thousandths of an inch in diameter. Price, per doz. 35c.

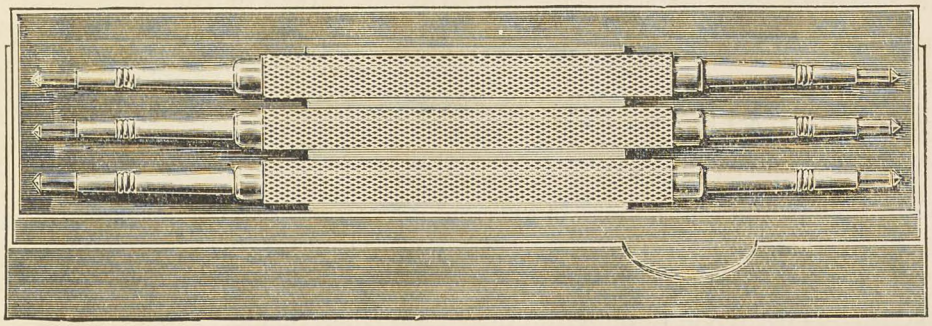


2d Series "Mascot" Drills.
Sizes from 28 to 50 thousandths of an inch in diameter. Price, per doz. 50c.

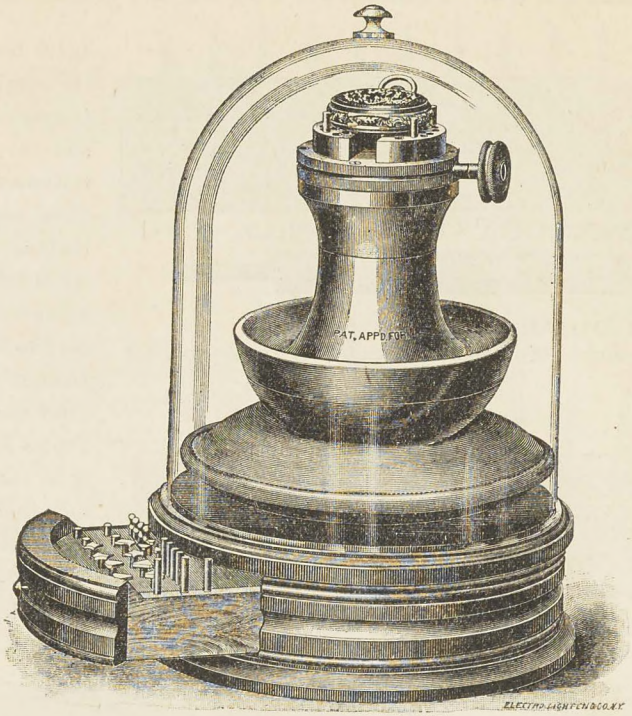
Is the best made Pivot Drill in the world. This assertion is justified by the quality of drill and the numerous unsolicited testimonials in our possession. They must be seen to have their accuracy of size, symmetry of form and beauty of finish appreciated. They must be used to have their cutting and lasting quality appreciated. They are made in 24 sizes, Nos. 4 to 50 inclusive; each number is so many thousandths of an inch in diameter. They are put up in solid dozens of a size or assorted. Use them once and you will never use any other.



Set of 6 Pivoting Gravers No. 30. Per set, 85c.



Stem Wind Bench Keys No. 61 with six different sizes of squares. Nickelled handles, well made. **Per set, 60c**



The Double Base Engraving Block.

Full description on following page.

PRICE

Double Base Block with Leather Pad, Spoon Holder, Button and Bangle Attachments, Ring Holder, three Cement Plates, A, C and E; and 8 sets (4 each) Pins and Pegs, **$15.00.**

EXTRAS . . .

Thimble Holder (2 pieces), - - - - - - - - - .50

Cane and Watch Cap Holder (4 pieces), - - - - - .75

Cement Plate A, 25c.; B, 25c.; C, 35c.; D, 35c.; E., 50c.; F, 50c.

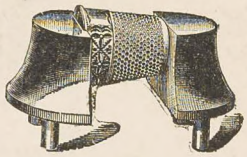
Polished Hard Wood Base, with drawer and Glass Shade, - - $3.50

Special Features of Double-Base Engraving Block.

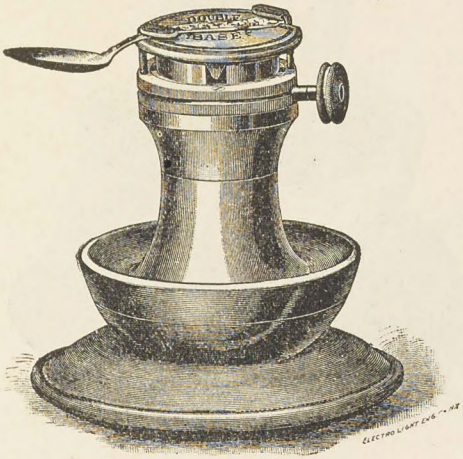
The *combination* of a Ball and Flat Base in the same Block, as shown in the cut. The Ball can be unscrewed in a moment, leaving a *flat* base, if the engraver prefers it.

The *Spoon Holder* is decidedly the most practical and effective yet devised. The spoon is secured in an instant by a half turn of the Clamps, on their swivel-pins instead of requiring a dozen full turns each of several large flat head screws, as in some blocks.

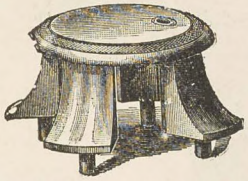
The *Main Screw*, which operates the jaws, has a *square* thread, thereby reducing friction as compared with a V thread and increasing the speed of the jaws operated by it over 60 per cent.



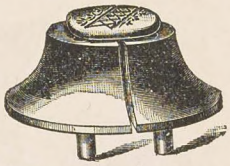
Thimble Attachment.



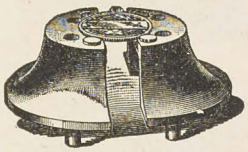
Spoon Holder in Position.



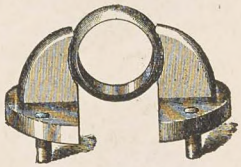
Adjustable Cane Head and Cap Holder, in four parts.



Button Attachment.



Bangle Attachment.



Ring Attachment.

The *Thimble Holder*, and the *Ring Holder*, respectively, hold the object to be engraved firmly and securely, and offer the best facilities to the engraver.

The attachments for *Buttons*, *Coins*, *Bangles*, and similar small articles, enables the engraver's hand to get *closer to his work* than in any previous device. This is a valuable feature which every experienced engraver will appreciate.

The *Cane Head* and *Watch Cap Holder* is composed of four separate pieces, admitting of a swivel motion; hence is easily adjustable to any shape cane head or any size watch cap.

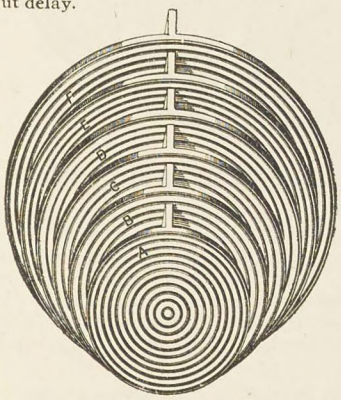
The *Cement Plates* for matted or chased work requiring very solid background have tongues on bottom which are clutched by the jaws of Block.

There are 8 sets of Pins and Pegs, 4 of each kind (32 in all), with each Block, which will take almost any object not specially provided for by the other attachments. These pins are all standard with the holes in the main jaws, as well as those in Button and Coin attachments, and interchange.

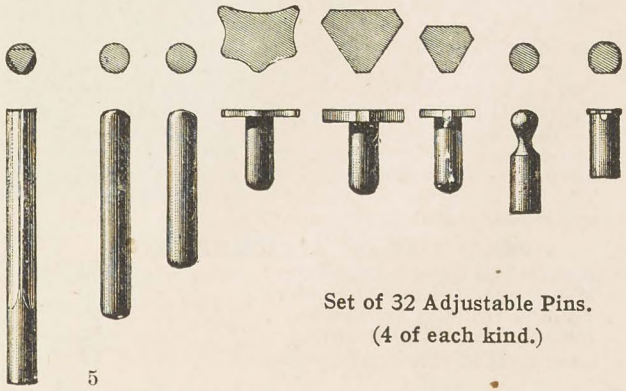
The Base of the top of Block is provided with a hardened steel centre pin, which rests on a *Hardened Steel Ball* thereby securing the easiest and freest motion possible; and as this Ball, in turn, rests on a hardened *steel faced* plate, there is least possible wear in this block.

This Block is handsomely nickel plated; the Top is leather covered; the Spoon Holder and Ring Holder are shod with soft material.

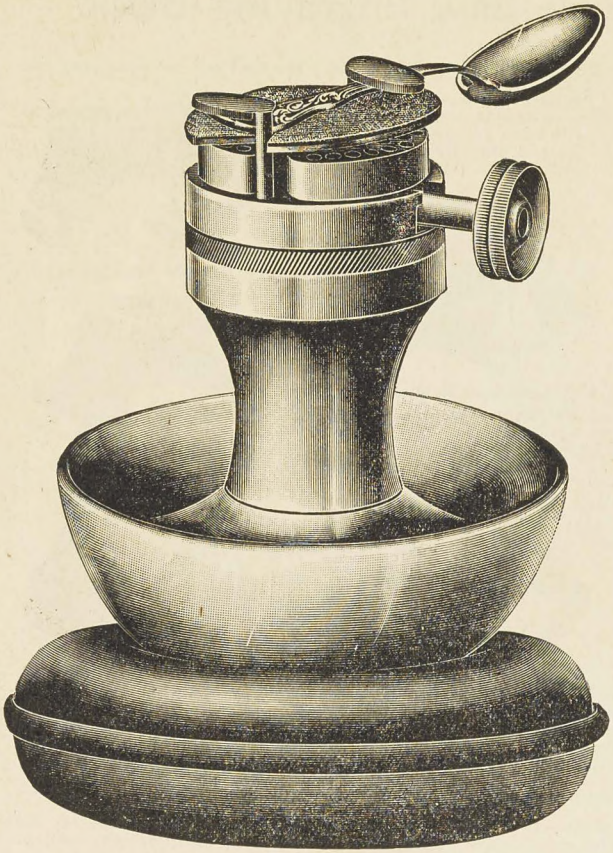
Finally, every part of the Block is made to standard size, and therefore any part broken or lost can be duplicated without delay.



Cement Plates.



Set of 32 Adjustable Pins.
(4 of each kind.)



Keystone Reversible Base Engraving Block.

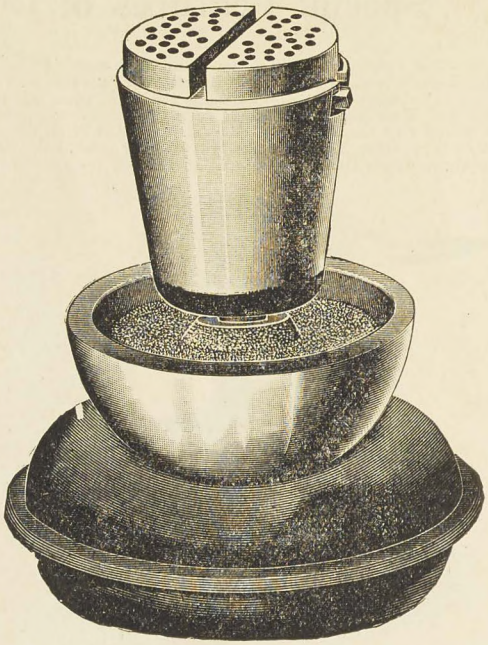
Price. $10.00

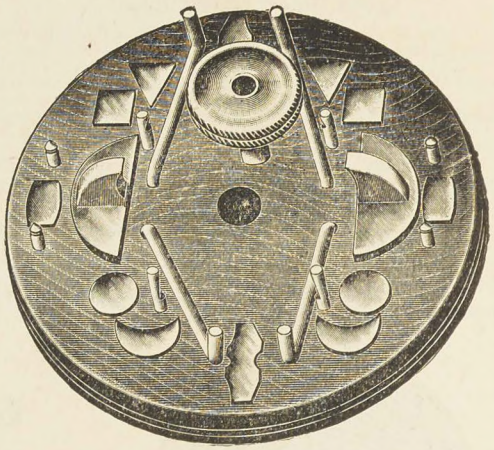
This block has supplied a long-felt want, and possesses all the good points of the high priced blocks at about half their price. Those who are in need of a good block would do well to look into the construction of the "Keystone."

It is well made, the square thread screw and patent spoon-holder, and the reversible base gives it the advantage of being used either as a flat or ball base. The head is so constructed that all the attachments of the famous E. F. B. Double Base Engraving Block can be easily fitted thereto, and therefore the "Keystone" has all of the requirements of a first class block. The block at the above price includes patent spoon-holder and 32 pins and pegs.

PRICE LIST OF ATTACHMENTS.

Button and Bangle Attachment	.50
Mahogany Attachment Holder	.50
Thimble Holding Attachment	.50
Ring Holding Attachment	.50
Cane and Cap Holding Attachment	.75

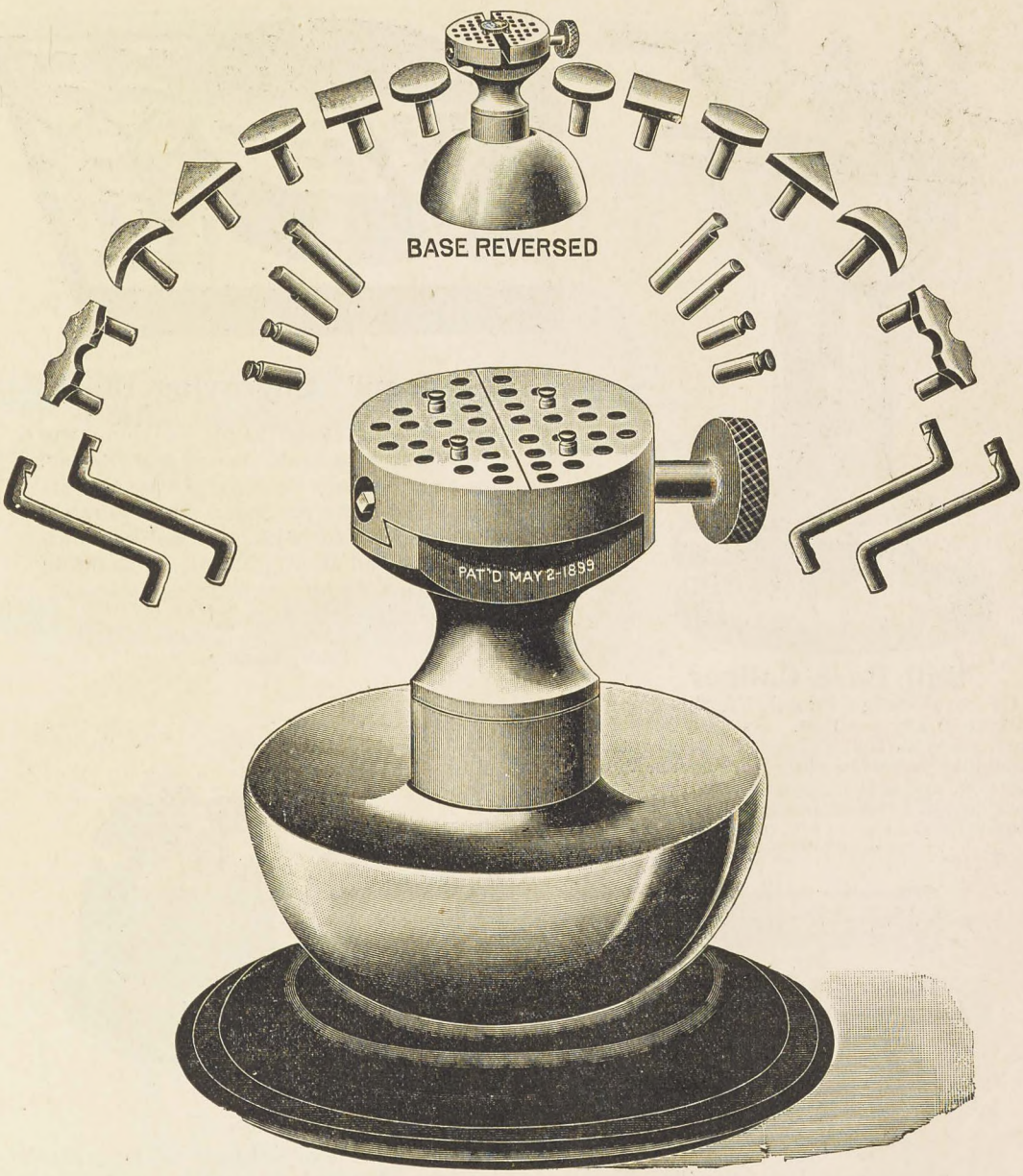




The "National" Engraving Block.

Reversible, can be used as either a flat or ball base. Graceful in appearance, well made and has a very complete set of attachments, including a pair of ring clamps. The attachment holder, when not using the block, is passed over the centre pin of the block, and all can be kept together in a very small space.

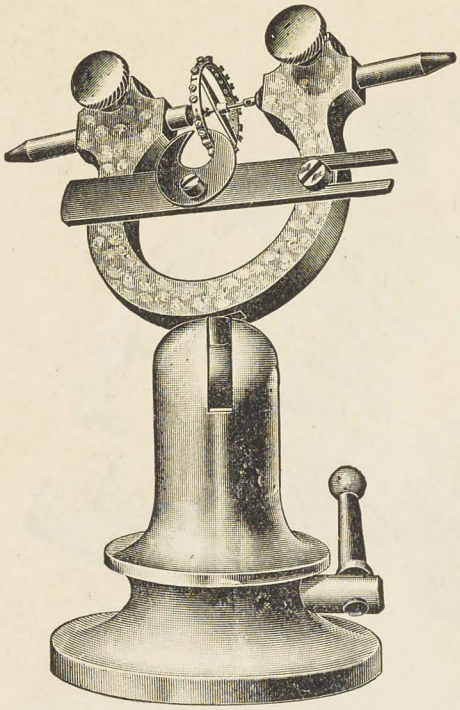
Full Nickel Plated. . . . . Price $5.00



The "King Bee" Engraving Block.

The most popular block on the market. Thousands are in use. Reversible, so it may be used as a ball or flat base block. Attachments, as shown with each block.

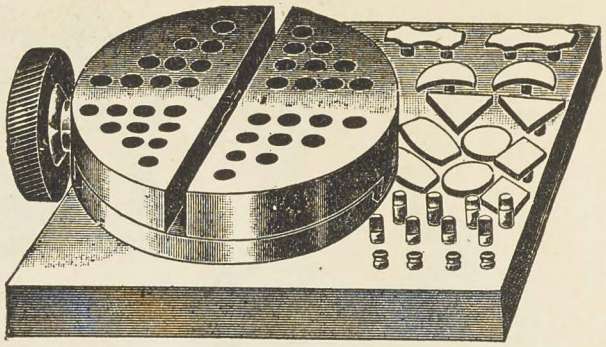
Full Nickel Plated, Price $5.00.



Ball Base Caliper.

Of novel design intended for holding a balance in any position. As seen in the illustration the ball and socket joint permit the upper part to be placed in any desired position, and if it is found necessary may be clamped tight by means of the lever. Finely finished in every respect.

Price, $3.00 each.



The "Acme" Engraving Block.

A very desirable and useful tool for many engravers who wish to do chasing and frosting, when a high top block would be of little use. It has also found many purchasers who but rarely need a higher priced block. Packed in a box, holding block and all attachments, as shown in the illustration.

All parts nickel plated.

Price, $3.50

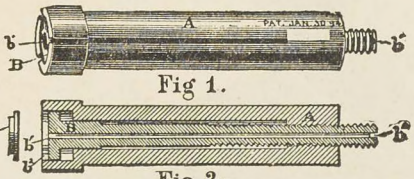
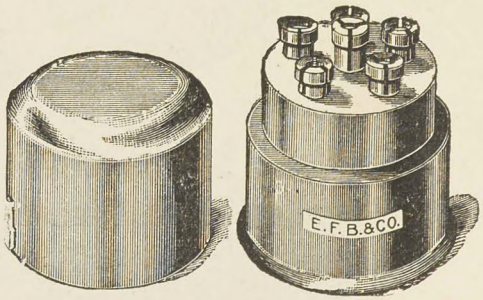


Fig 1.

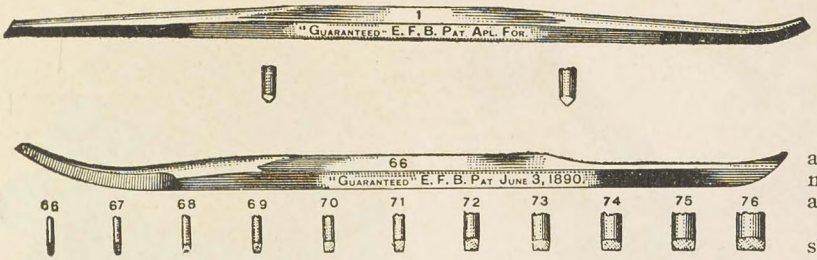
Fig 2.



Facility Jewel Chucks.

Set of 6. Price, $3.00 per set. Single chucks, 60c.

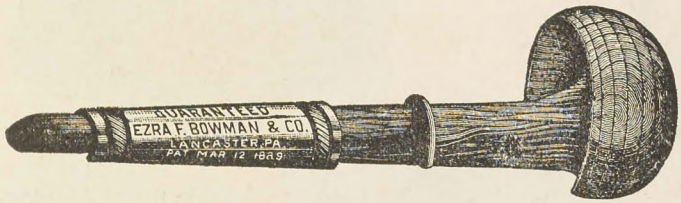
The "Facility" Jewel Chucks enable the operator to adjust the jewel setting to the exact depth for turning either outside diameter or shoulder of the jewel setting. They are made to fit the No. 38 wire chuck of the Whitcomb, Webster-Whitcomb, Hopkins, Mosely, Boley and other imitation lathes. They will fit the No. 24 wire chuck of the Rivet lathe. Besides they are so constructed that the exact depth can be regulated without removing the sub-chuck from the lathe, by means of the adjusting screw "B," which passes through the entire length of the chuck and is adjustable from either end by the screwdriver slot "b." This adjusting screw which regulates the depth, is made of hollow wire and enlarged sufficiently on the face to allow the opening of or polishing the holes when necessary. They are made in six sizes and take in from the largest to the smallest American-set jewels in use by any of the companies.



The E. F. B. Patent, Guaranteed Reversible Gravers, (2 in 1) made in 29 different shapes and sizes. **Each 50 cents.**

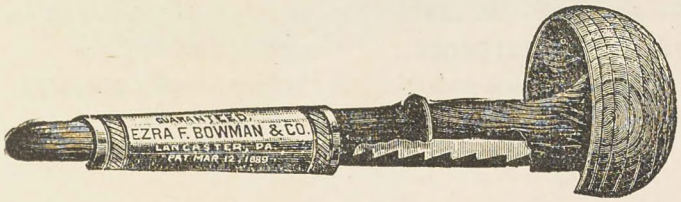
The E. F. B. Patent Guaranteed Extension Gravers made in 122 different shapes and sizes. **Each 40 cents.**

Let us send you sheets showing up the full line.



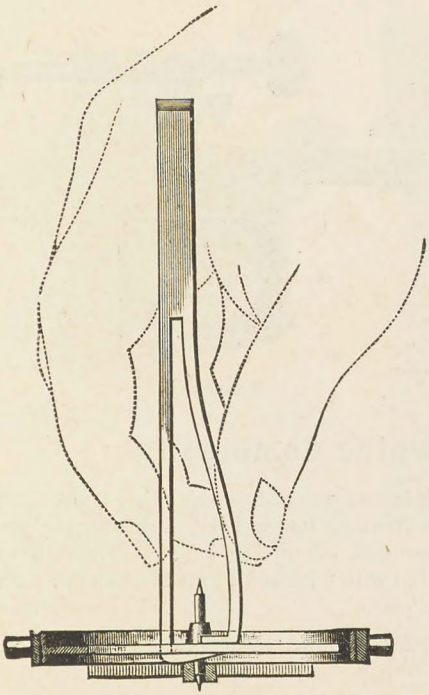
Graver Handle for Guaranteed Reversible Gravers, Rosewood.

Price, each, 25 cents.



Graver Handle with Ratchet for Adjustable Gravers, Rosewood.

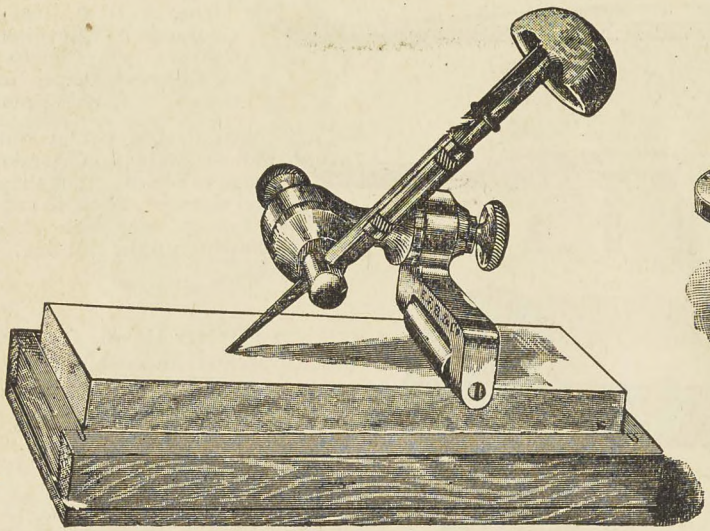
Price, each, 25 cents.



M. & H. HAIRSPRING COLLET REMOVING TWEEZERS.

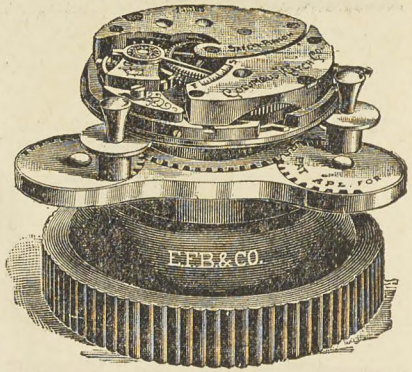
No doubt you have found it difficult to remove a tight hairspring. Have you a tool to do the work without injury to the hairspring or the staff? If not, this pair of tweezers, made expressly for this purpose, will no doubt be appreciated. The lower jaw catches the arm of the balance while the upper jaw slides under the collet and forces it from the shoulder of the staff. Positively no danger of bringing one of the coils of the spring out or flatting or marring the staff or balance wheel. They are sold in sets of two, one for 0 and 6 size and the other for 16 and 18 size. Finely made and nickel plated.

Price, per set of two, $1.00



"Eclipse" Graver, Drill and Tool Sharpener.

Adjusted by index to any angle. It is the best and most practicable device of its kind ever offered to the trade. **Price, each 1.75.**

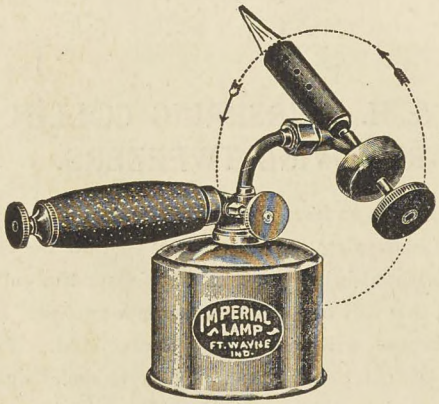


The E. F. B.

Universal Movement Holder.

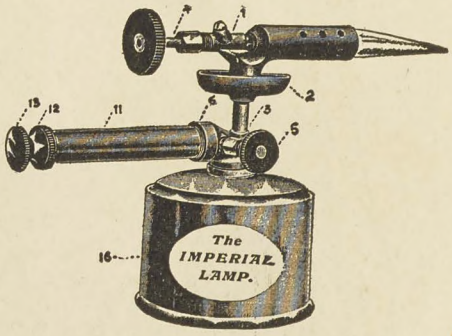
The most practical device of its kind on the market.

Price, each 1.25.



With Swivel Joint.

Height, 6 in.
Diameter, 3½ in.
Capacity, 1 pint
Weight, 1 pound
Consumes Gasoline
1 cent per hour.

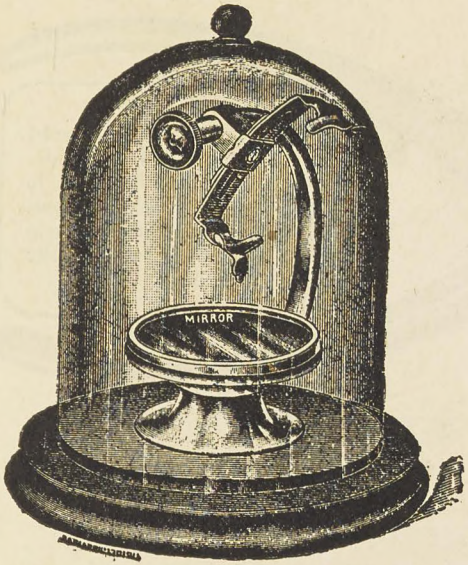


Stationary.

The Imperial Lamp and Blowpipe Combined.

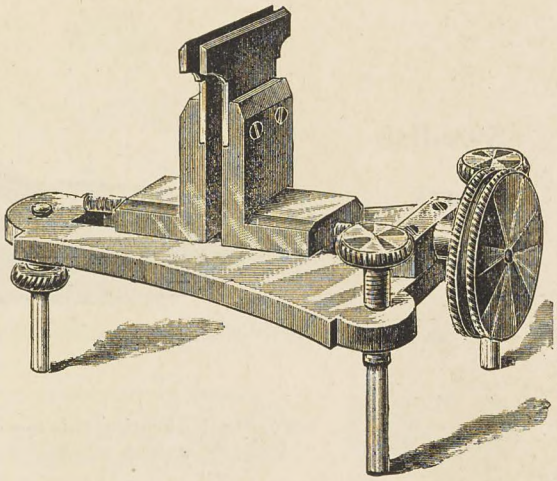
No blowpipe or foot power required. Expense of using is but one fifth of any other lamp. The flame can be regulated from a fine point to a brush blaze. It is intensely hot and very valuable for brazing and hard soldering. Is easy to operate and under perfect control. Complete in every way, and no danger in using, the pump being attached to the burner is covered with cork and forms the handle. Full directions with every lamp. Lamps are finished in triple nickel plate.

Prices - - Stationary, each $4.00. Swing Joint, each $4.50.



Allen's Movement Adjuster.

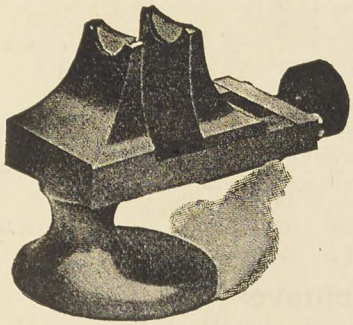
Adjustable to all positions. Oscillation of balance can be observed without handling by means of mirror. **Price, each $1.75.**



The King of Poising Tools.

The finest ever put on the market; beautifully adjusted, finely ground, steel blades.

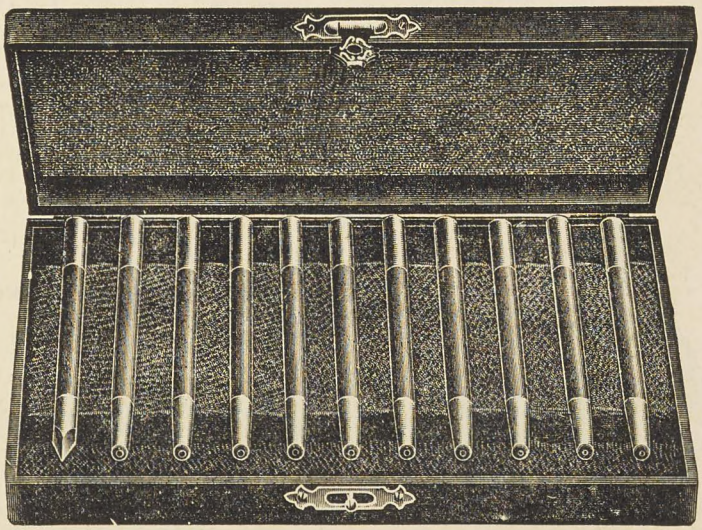
Price, $5.00 each.



The Gem Poising Tool.

Made of German silver in best possible manner. Jaws are jewelled with concave jewels to prevent article from rolling off.

Price, each $3.50.

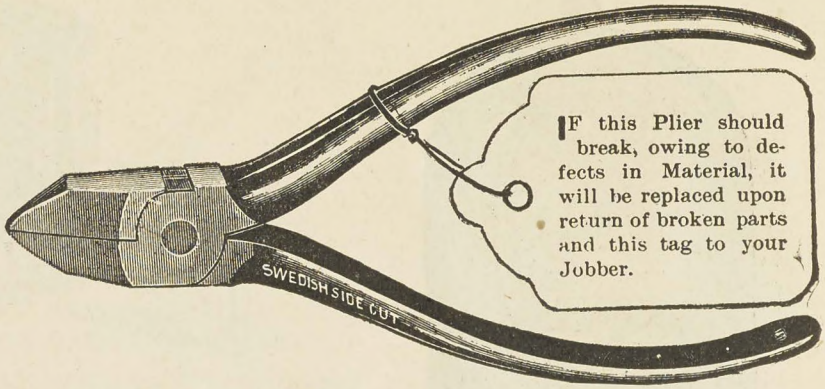


Balance Staff Riveting Punches.

Sets of eleven in Morocco case, **$2.00 per set.**

These can be furnished for the Standard sizes of staking tools, are made with properly graded holes, especially for staking balances on staffs. The triangular punch is for closing hole in roller.

Swedish Pliers No. 65.

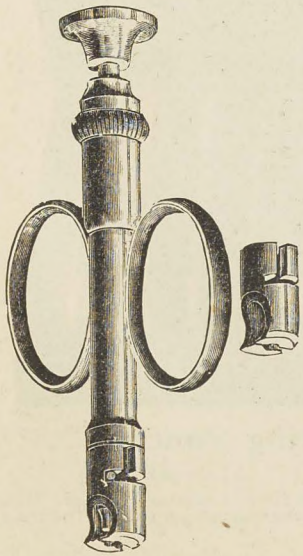


IF this Plier should break, owing to defects in Material, it will be replaced upon return of broken parts and this tag to your Jobber.

Every plier bearing this tag is fully warranted as stated.

PRICE LIST

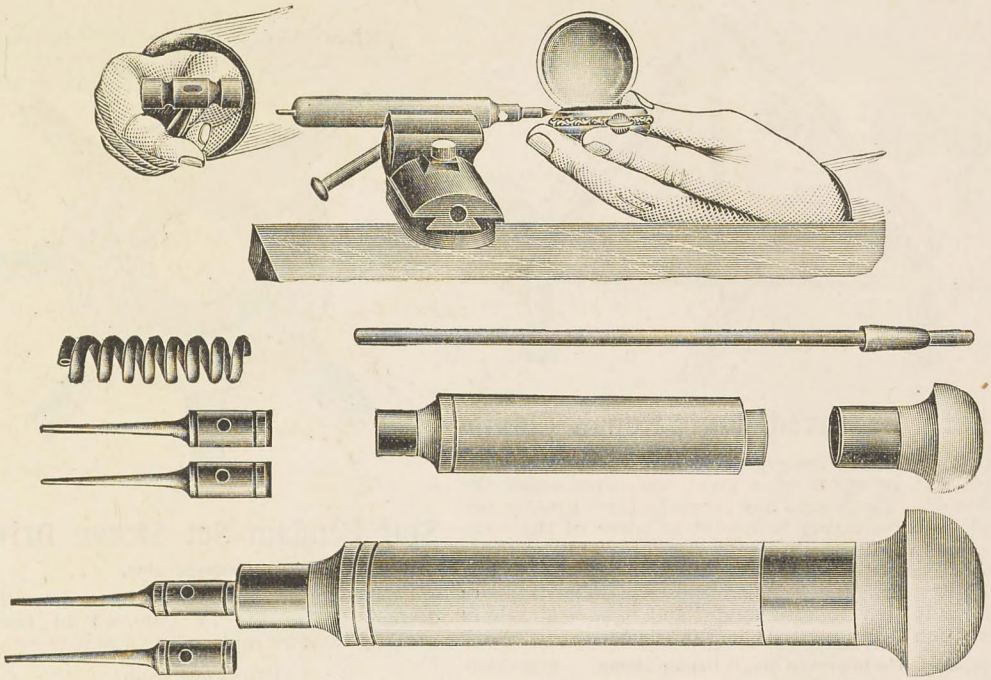
	3½ in.	4 in.	4½ in.	5 in.	
Flat Nose - - -		.40	.40	.50	Each
Round Nose - - -		.40	.40	.50	"
Chain - - - -		.40	.40	.50	"
Long Nose - - - -		.40	.40	.50	"
End cutting - - -	.55	.55	.55	.60	"
Side cutting - - -	.60	.60	.60	.65	"



Parker's Improved Roller Remover.

Has two different size heads, which will take off all size rollers. Well made. Nickel plated.

Price, $1.50 each.

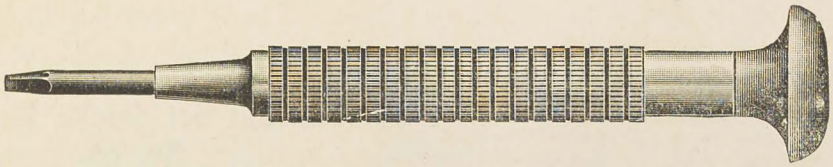


THE NEW NILSON'S PATENT RIVET EXTRACTOR.

The most obstinate rivet will yield to this tool. Has two interchangeable points. The handle in vise remains stationary, the center is held in position by a stiff spring, and when struck with a hammer, permits only a slight advance of rivet. Leaves both hands free to use.

Price, $1.00.

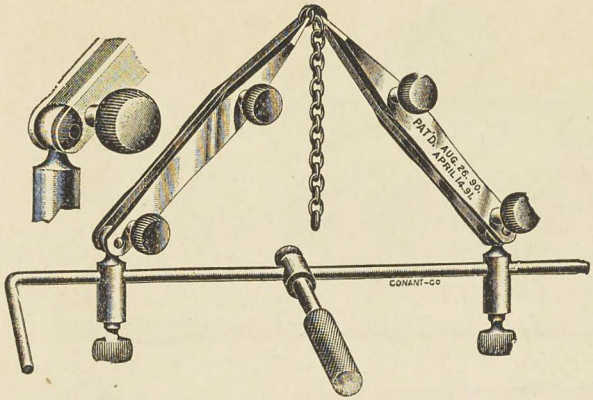
Rivet extractors innumerable have been sold with varying success; this is the latest and appeals to the mechanic as something of merit.



SPEED SCREW DRIVER NO. 105.

Rubber top, hollow nickel plated handle, interchangeable blades.

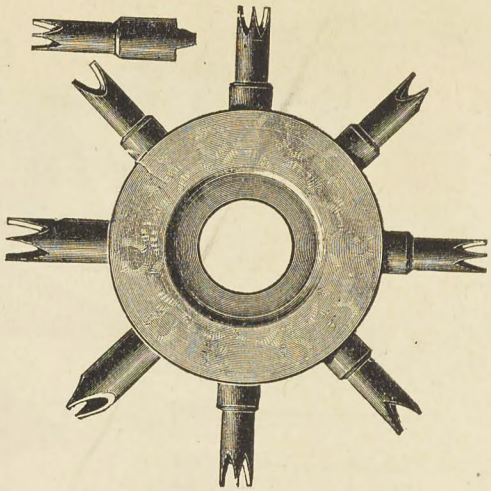
Price, each 40c.



Parker's Improved Magic Repair Clamp.

The market is swamped with all sorts of repair clamps. If in quest of a good one, then order the "Parker's". This clamp has recently been greatly improved by substituting ball-joint in place of the common swing joint (see illustration). This clamp is made one third larger than formerly, which, with the ball-joint, gives it a much larger capacity. The jaws are quickly adjusted to any angle, and it is so simple in construction that directions are not required.

No. 200, Parker's Improved Magic Repair Clamp,	**$1.50 each.**
" 201, without ball-joint - -	**1.25 "**

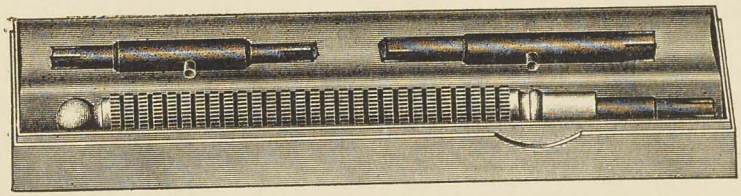


Star Pendant Set Sleeve Driver,

Interchangeable.

As shown in illustration the various sleeve drivers can readily be removed in case of breakage and be replaced by a new piece.

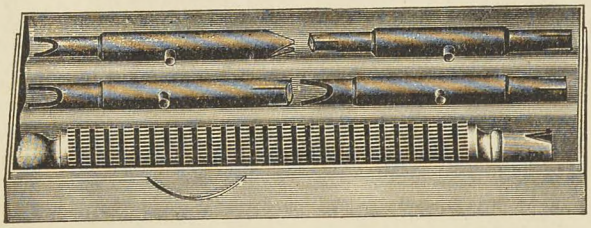
Price, 60c each.



Pendant Set Sleeve Wrenches No. 50.

Nickel handle, 6 wrenches, for 0, 6, 16 and 18 size sleeves.

Price, 50c each.



Pendant Set Sleeve Wrenches No. 55.

Nickel handle, 8 wrenches.

Price, 60c each.

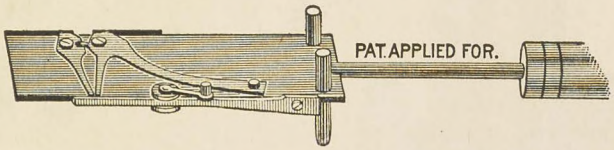
Finis Saws.

The "Finis" brand of jewelers' saws is the height of perfection in shape, cut and temper. The shape is the so called reduced round back.

The advantage over a square saw is readily understood. The temper, due to a peculiar process which gives the saws a black color, is the best that 36 years experience in saw-making can produce. When buying saws, ask for the "Finis" and look for trade mark.

Price, per dozen 10 cts. Per gross $1.00.

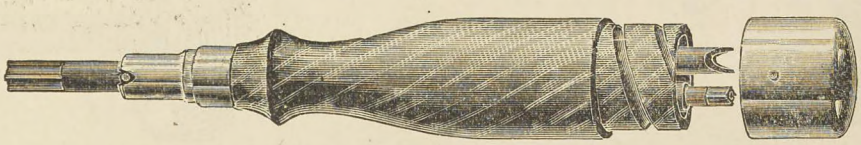
Made in all sizes from 000 to 4.



Roller Pin Setter No. 25.

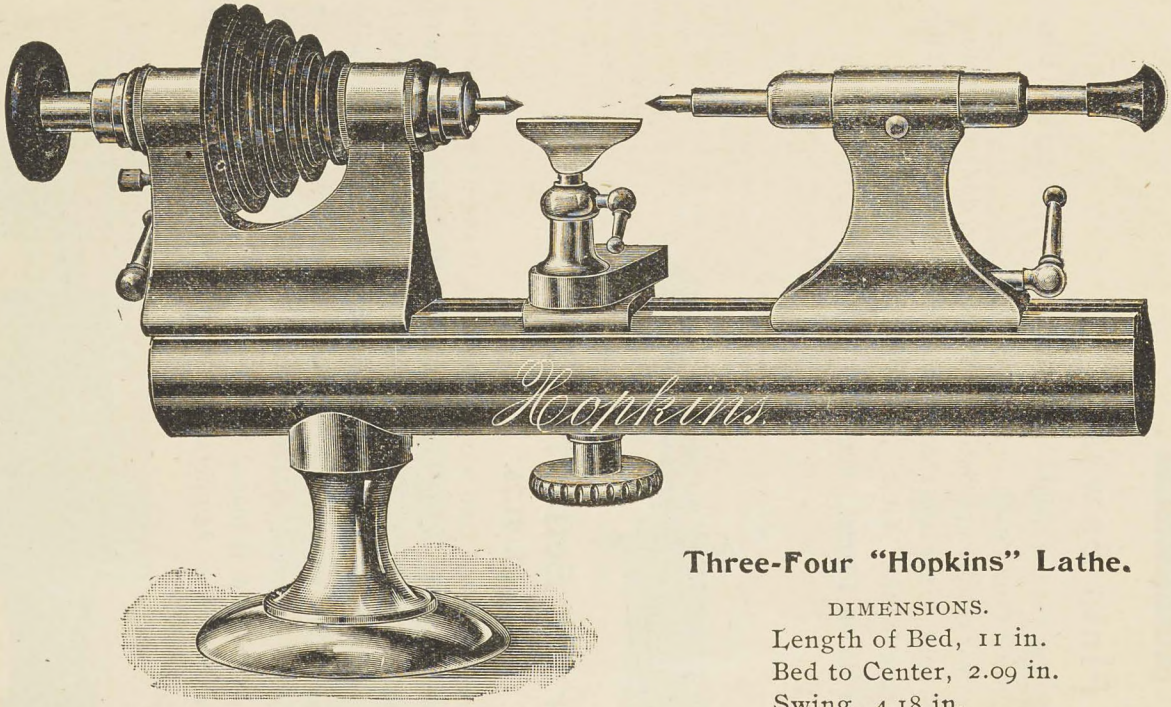
Price, each $1.25.

On account of its simplicity, accurary and time saving qualities, it merits your careful inspection and consideration. We believe it is the best on the market to-day. Some of its features have not heretofore been thought of. The hair spring and roller table need not be removed from balance staff when setting roller jewel. The smallest jewel is as easily and as accurately set as the largest. The arms are so constructed that when clasping the roller table it will be drawn to the body of tool, and held firmly in position while the tool may be handled at will. A piece of shellac is placed on the end of the body of tool and acts as an indicator telling when the desired temperature has been reached and may at same time be used in setting the jewel.



Pendant Set Sleeve Wrench No. 35.

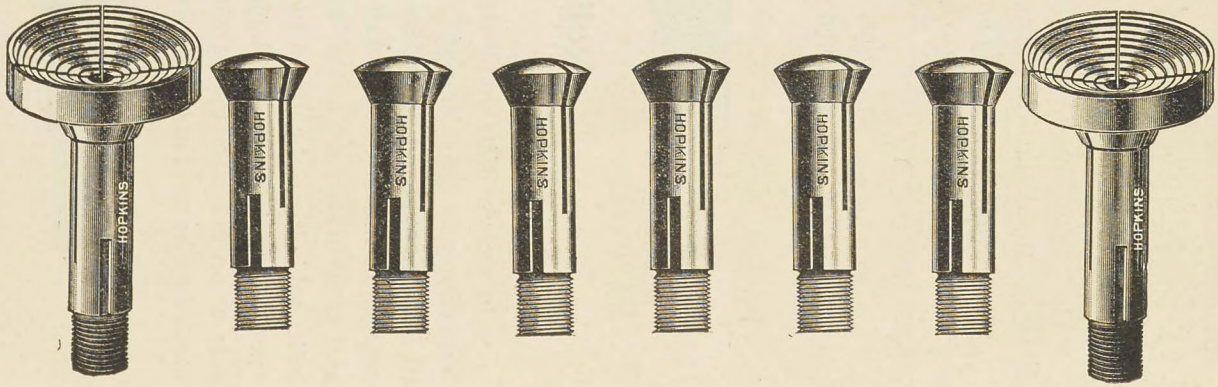
Rosewood handle, nickel plated mountings, 6 wrenches. **Price, 75c each.**

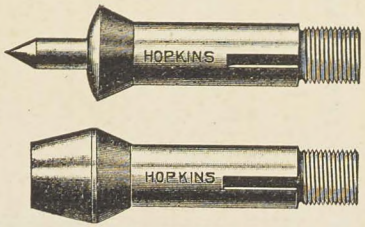


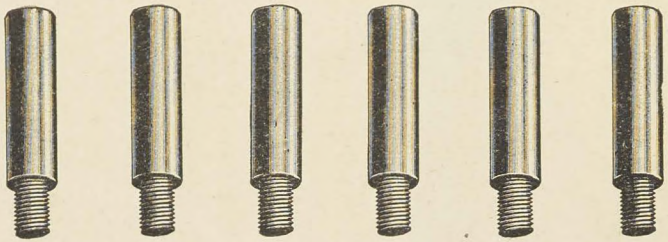
Three-Four "Hopkins" Lathe.

DIMENSIONS.

Length of Bed, 11 in.
Bed to Center, 2.09 in.
Swing, 4.18 in.







An exceptional offer to buy the best built American Lathe, at a price within the reach of all. The HOPKINS 3x4 Lathe and Combination of 10 Chucks, 6 Cement Brasses (illustrated above) and Leather Belting, **Price, $30.00**

Additional Wire or Wheel Chucks 75 cents each.

This Lathe has HARD SPINDLES and HARD running BEARINGS and we guarantee perfection in all its details.

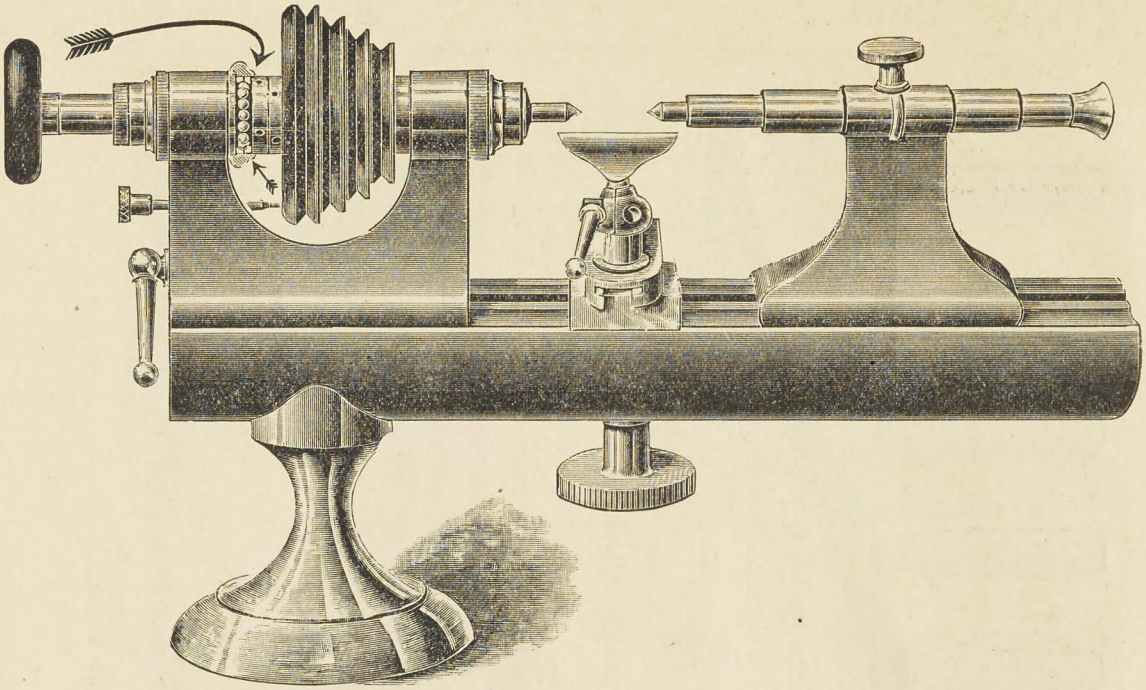
The Chucks are made of best steel with greatest care to insure accuracy in regards to hole, body, thread and cone. All the threads of Chucks are cut on a Lathe (not in a die). This method assures perfection and is the only method which permits a perfectly centered Chuck. The holes in Chucks are ground after being hardened and all parts of the Chucks are ground on machinery especially designed for this purpose.

The Hopkins 3x4 Lathe has been on the market for over 30 years and combines the greatest accuracy, durability and beauty of lines.

Lively competition is the prime mover in the production of labor saving devices and in reduced cost of production, and these again permit the reducing of cost to you.

All attachments for above lathes at lowest possible prices, in keeping with "Hopkins" quality.

Price list for the asking.



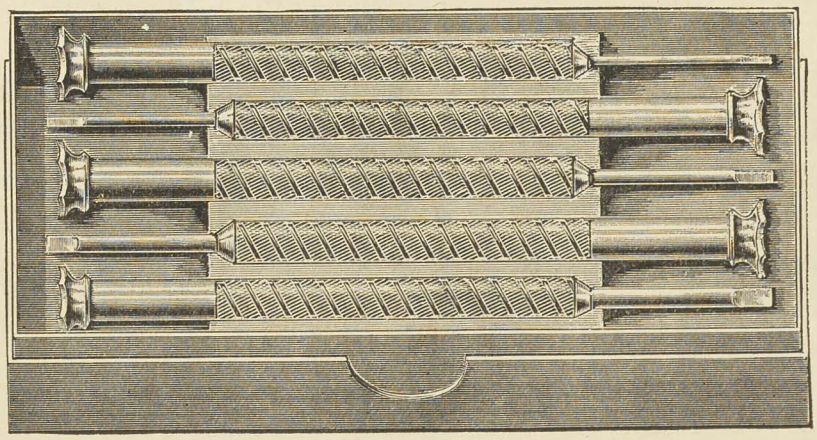
BALL BEARING LATHES.

The latest and best in Lathe construction.

Price complete with 6 Wire chucks, No. 6, 8, 10, 12, 16, 40, 2 Wheel chucks, 1 each, Screw and Taper chuck, 8 Cement Brasses, ¼, ½ and ¾ inch. Chuck block with glass cover and belting. $24.00.

The construction of these ball bearing headstocks obviates any tendency to "bind" and makes them the easiest running Lathes on the market.

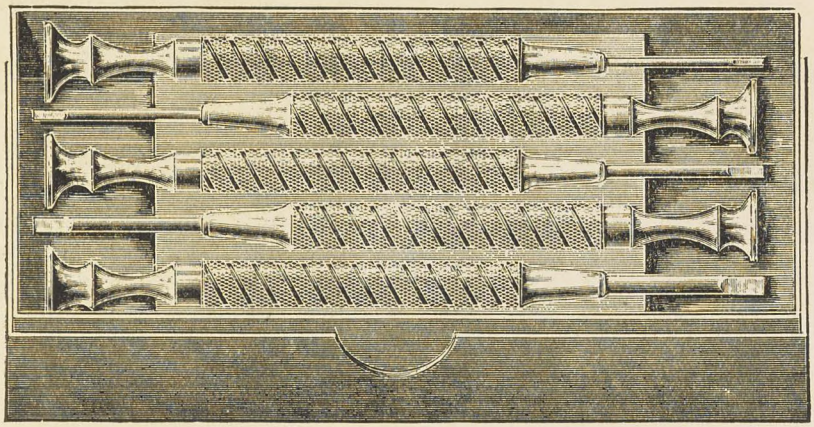
Made in Webster–Whitcomb and Mosely No. 2 Pattern. State which of the two you prefer.



Screwdrivers No. 19.

Hexagon, metal head, finely tempered, steel blades, full nickel plated.

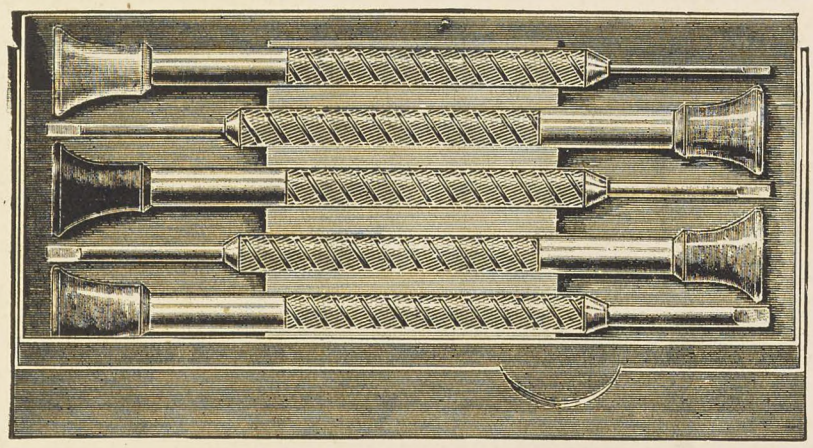
Per set of five, 40c.



Screwdrivers No. 22½.

Metal heads, finely tempered steel blades, full nickel plated.

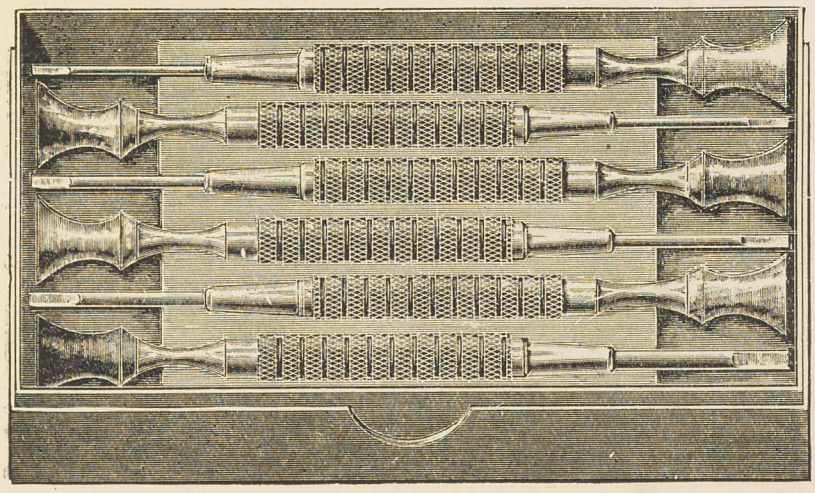
Per set of five, 50c.



Screwdrivers No. 25.

Assorted colored celluloid heads, nickel plated handles and blades, finely tempered.

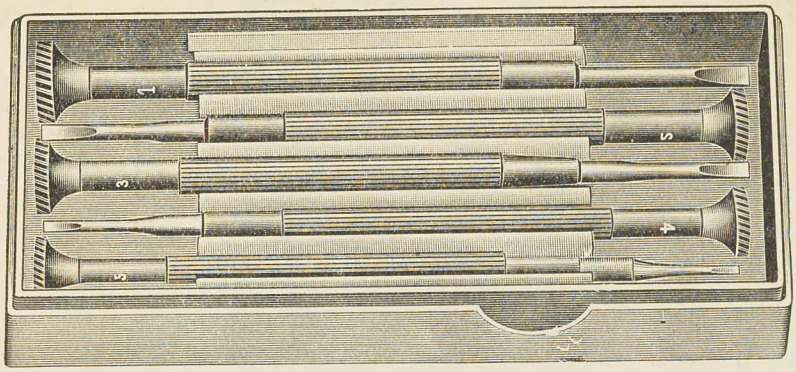
Per set of five, 65c.



Screwdrivers No. 26.

Assorted colored celluloid heads, nickel plated handles and blades, finely tempered.

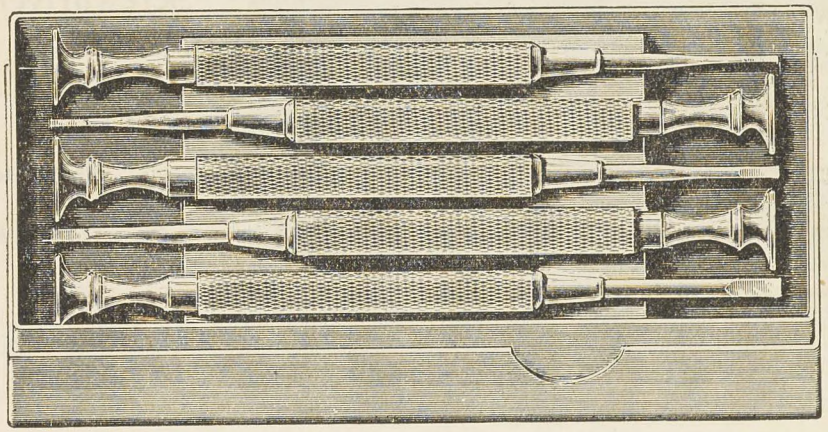
Per set of six, $1.00.



Screwdrivers No. 27.

Corrugated nickel plated handles, finely tempered steel blades.

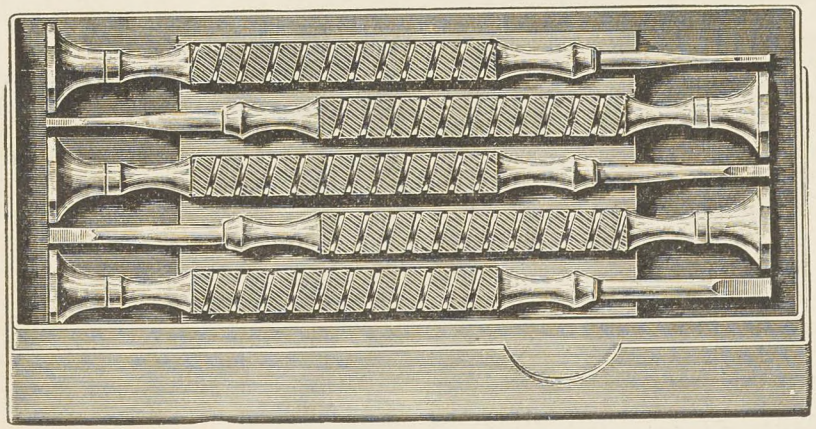
Per set of five, 50c.



Screwdrivers No. 29.

Nickel handle, finely tempered, steel blades, interchangeable.

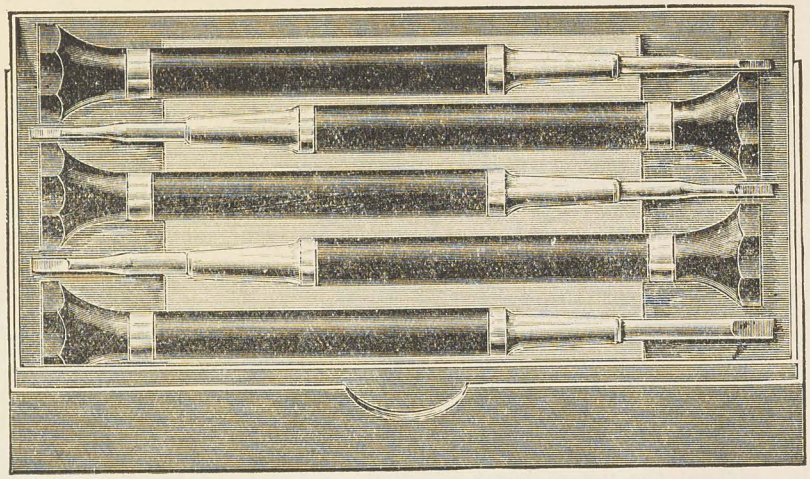
Per set of five, 60c.



Screwdrivers No. 31.

Nickel handles, hexagon heads, finely tempered steel blades, interchangeable.

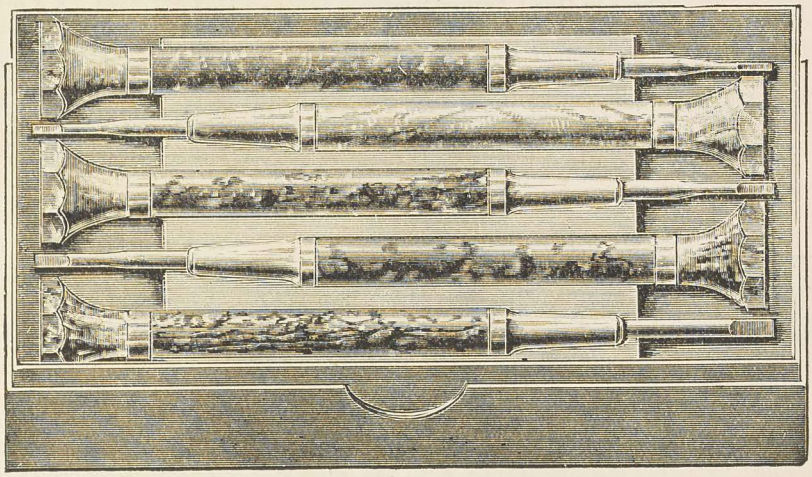
Per set of five, 75c.



Screwdrivers No. 33.

Black celluloid handles, hexagon heads, nickel trimmings and interchangeable blades. Finely made up article.

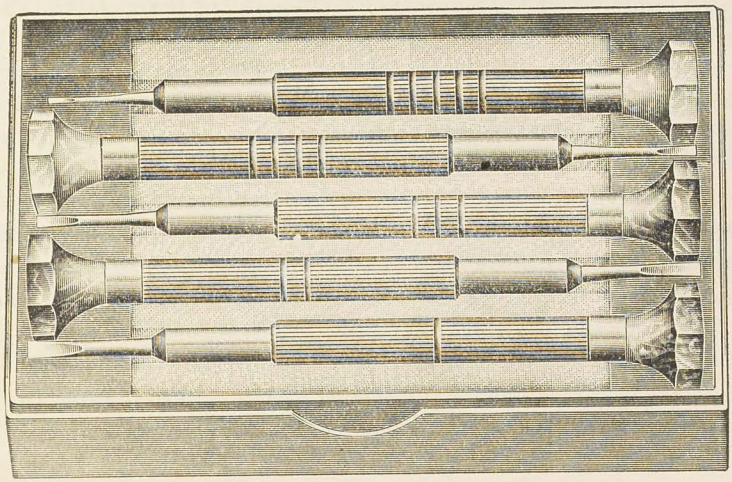
Per set of five, $1.25



Eclipse Screwdrivers.

Fancy colored celluloid handles and hexagon heads. A beautiful outfit for your bench.

Per set of five, $1.35



Screwdrivers No. 35.

Corrugated nickel handles, assorted colored celluloid heads. Interchangeable blades.

Per set of five, $1.50

KLENZENE
(Trade Mark.)

Klenzene has recently been patented, and is the only article on the market where the chemical action of the solution immediately dissolves the tarnish on the article. It is put up with a small hair brush, directions, etc., in a carton box. A trial with Klenzene and you will never go back to paste and powder.

Price per bottle ..... $.25
Price per dozen 2.00
Price per gross 24.00

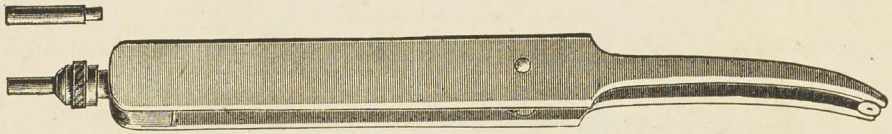
FAVORENE
(Trade Mark.)

Makes hard soldering as easy as soft soldering. Will flow 14 kt. gold solder on 8 kt. goods without the use of borax.

Three in One { **Flux.** **Antioxidizer.** **Pickle.**

Preserves the temper and color of gold. With FAVORENE there is no danger of melting low karat gold. Solder will flow easily without balling. Requires but little heat. Parts to be soldered need not be cleaned or filed.

Price per 2 oz. bottle ..... $.35

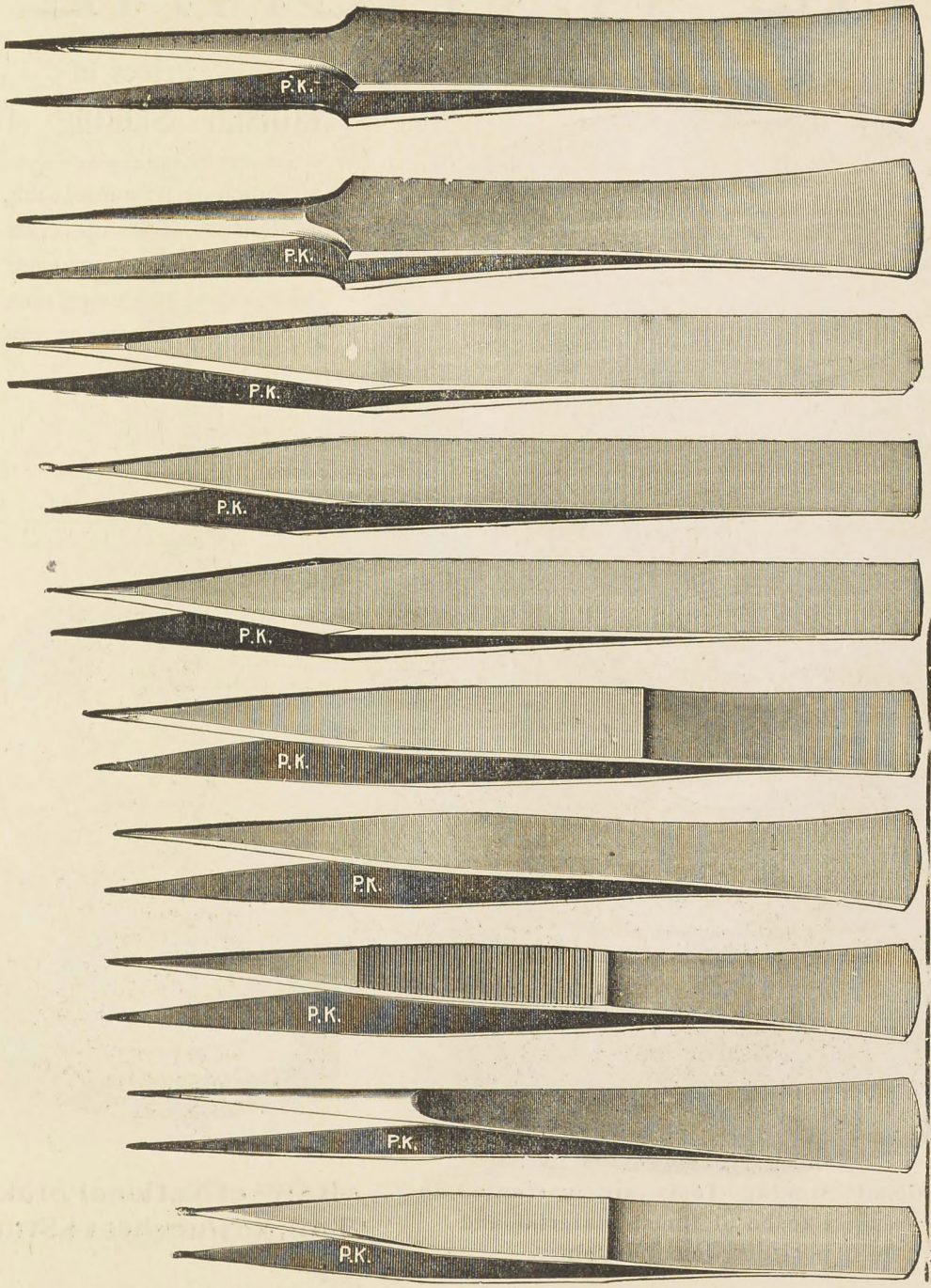


SELF LOCKING JEWEL TWEEZERS, No. 114.

By means of a sort of ratchet clasp between the handles of a pair of jewel holding and jewel pushing tweezers, and a small sliding disc dropping into the former from the inner side of one of the handles, a pair of tweezers is made to hold a jewel firmly, and it will release it only at the will of the operator. The tool may be set down and taken up without loosening its hold upon the jewel, a convenience which will be apparent to all operating watchmakers. To lock the points of the tweezers upon the jewel it is only necessary to hold the points upwards and press the sides of the tweezers together. This action causes the small disc to drop into the catch which holds the handles of the tool together, and the points are at once firmly locked upon the jewel. To release the latter the points are turned downwards and the sides of the tweezers again pressed together. Gravitation causes the disc to drop back in its slide away from the catch; the tweezers are thereby unlocked and may be operated like an ordinary tool of a similar kind. The device is simple but effective, especially where the jewels have to be cleaned and it becomes necessary to set the tool down on the bench a number of times, whenever interrupted. This can be done with perfect freedom and without danger of losing the jewel or even the inconvenience of picking it up a second time. The jewel push feature is a practical addition; a small chuck permits the changing of sizes, one end being suitable for 18 and 16 sizes and the other for smaller jewels. **Price, 75 cents.**

Illustrations below represent as fine a line of **TWEEZERS** as are on the market. They are full tempered, superior finish and finely nickeled.

Look for the stamp P. K. It is a guarantee for superiority.



No. 105.
Price, ea. 35c

No. 104.
Price, ea. 35c

No. 112.
Price, ea. 30c

No. 110.
Price, ea. 25c

No. 111.
Price, ea. 30c

No. 102.
Price, ea. 30c

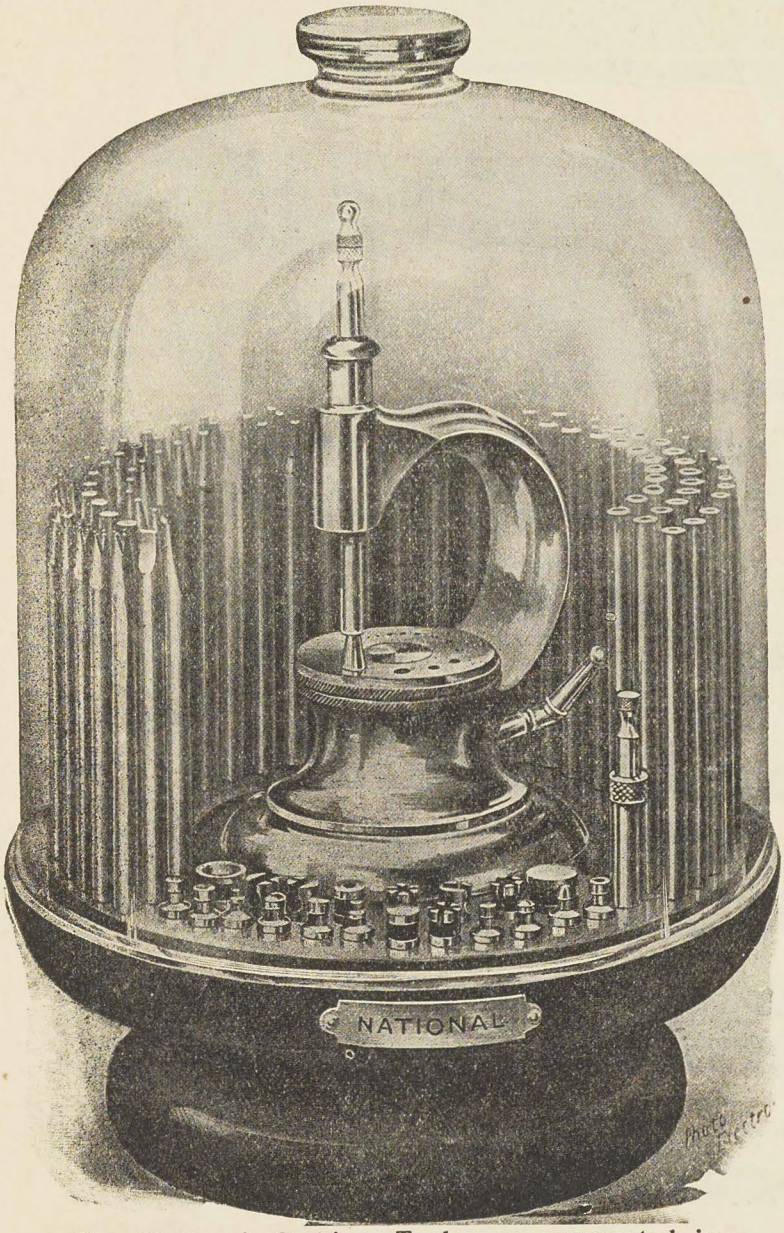
No. 100.
Price, ea. 20c

No. 100F.C.
Price, ea. 25c

No. 103.
Price, ea. 35c

No. 101.
Price, ea. 25c

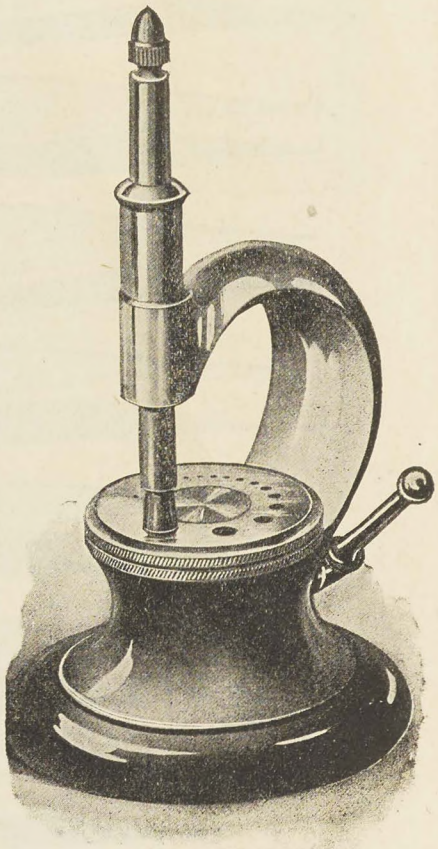
THE NATIONAL



The National Staking Tools are warranted in every respect to be of finest material and best possible workmanship.

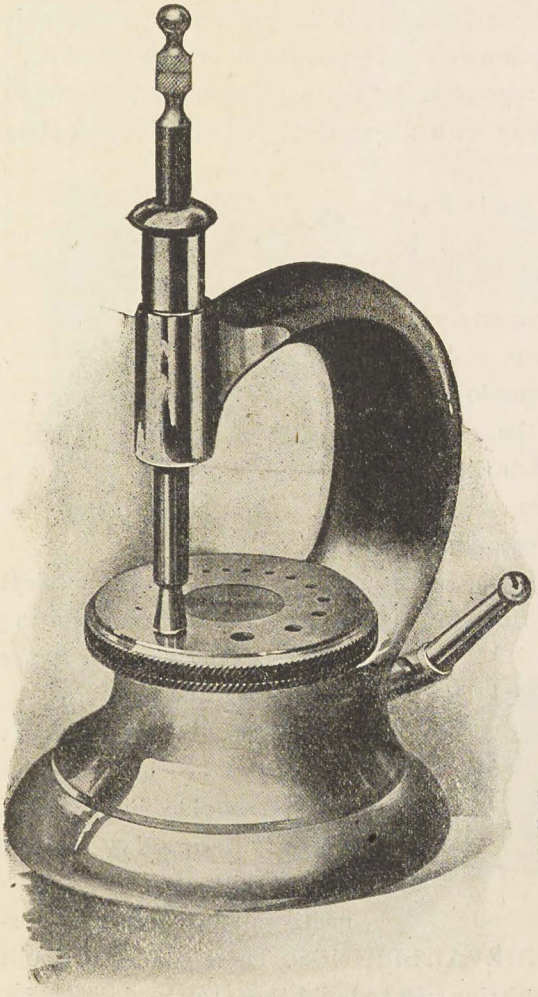
Prices of National Staking Tools.

50 Punches, 14 Stumps, each,	$6.50
54 Punches, 16 Stumps, each	8.50
60 Punches, 18 Stumps, each	9.50
105 Punches, 21 Stumps, each	18.00

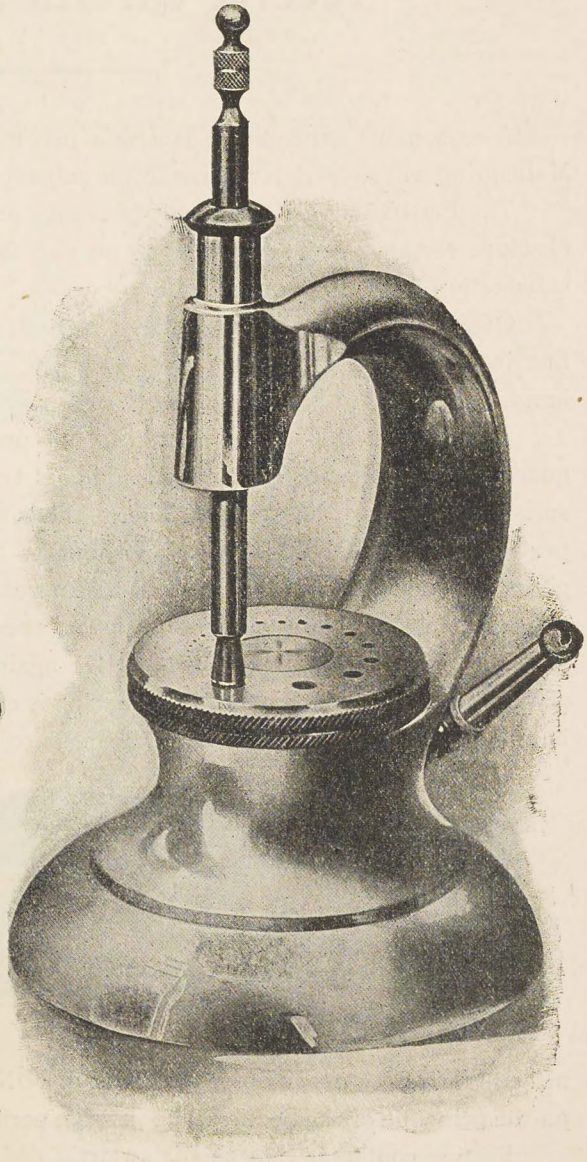


BASE of National Staking Tool, 50 Punches 14 Stumps.

STAKING TOOLS.



BASE of National Staking Tool
54 and 60 Punches, 18 Stumps.

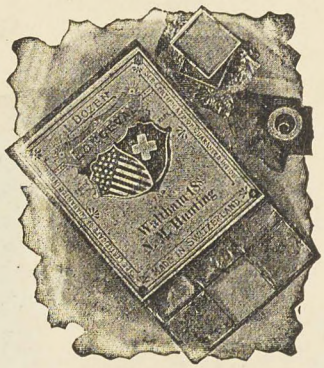


BASE of National Staking Tool
105 Punches, 21 Stumps.

The purchase of a MAINSPRING should receive careful consideration.

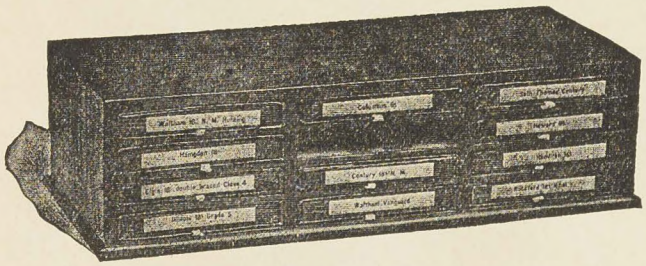
A reasonable expenditure is a safe investment, as every dollar you put into a reliable Mainspring will show rich returns in the satisfaction you and your customers get out of it.

The LONGEVAL is the result of steady progress in Mainspring making, reliable to an absolute certainty. These springs you may buy with a confident feeling that complete satisfaction will be the only result.



QUALITY—Springs are made of highest grade Steel, fine in grain, rich in Carbon and carefully finished by hand.

SAFEGUARDS—The "Best," if not properly safeguarded, is liable to go astray. This is true of Mainsprings as well as of humanity. The methods employed to protect the LONGEVAL leave nothing to be desired, giving protection:—FIRST, against rust, as each spring is wrapped in oiled anti-rust tissue paper, then placed in an individual paper box. SECOND, against climatic changes, as every box containing a Spring is enclosed in tin foil. THIRD, against useless handling. We all know that more Springs are ruined by coming in contact with perspiring fingers or by being exposed to the air than by anything else.

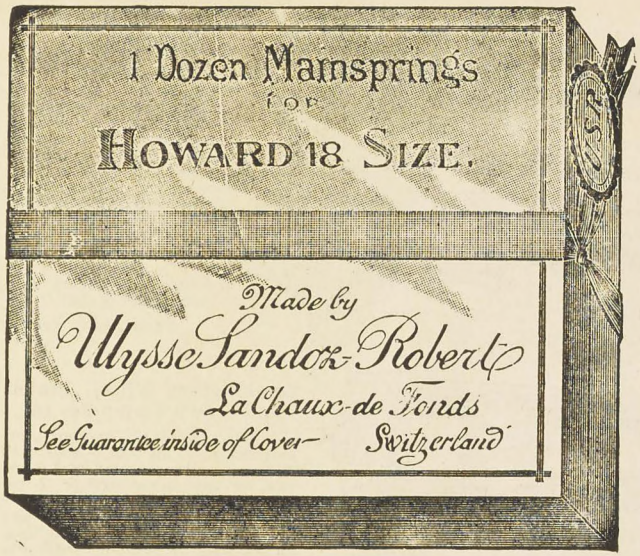


SELECTION IS MADE EASY. Twelve Springs, each in an individual box, are placed in a strong, sliding box, properly labeled, showing the contents.

A neatly made cabinet is furnished gratis with every order for 1 gross of LONGEVAL SPRINGS. These cabinets are built on the principle of the Sectional Book Case, permitting you to build them to any desired size.

Feeling confident that this is an article of the highest order, we submit them to the test of the most exacting critic.

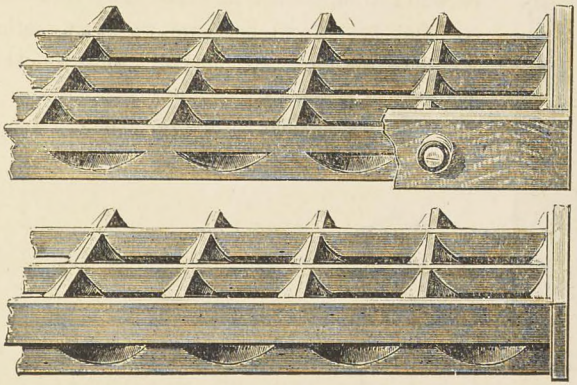
Price, $1.50 per dozen or $15.00 per gross, including cabinet.



U. S. R. MAINSPRINGS.

A few words about mainsprings. There is no article of material used by the watchmaker or watch repairer, about which if he be a careful and thorough workman, he feels more solicitous than the mainspring. Next to the fragile watch glass, the mainspring is more frequently replaced than any other article used in watch repairing. While the percentage of breakage is high in all watch springs, it jumps into appalling proportions when they are of an inferior quality, unless their temper is so low as to make them almost useless, and certainly of little value in watches that are to serve the purpose of time-keeper. When we offer you the ULYSSE SANDOZ ROBERT SPRING we feel confident that you are getting the best that skillful hands and lifelong experience can produce.

Made for all American watches, **per doz. $1.25, per gross, $13.50.**



THE NATIONAL WATCH GLASS CABINET.

(Patented.)

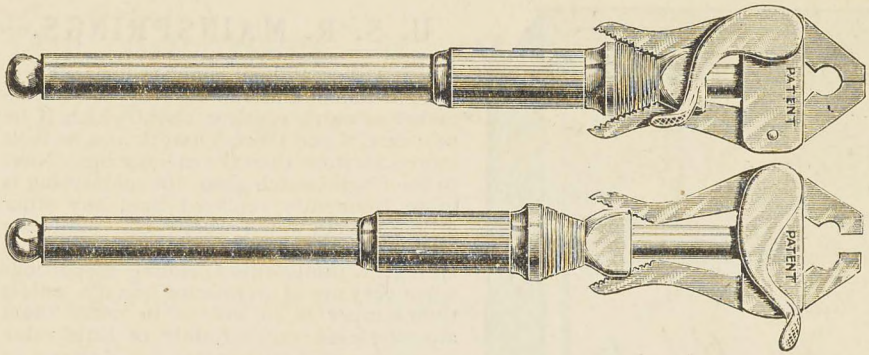
Size 26½ inches long, 14¼ inches deep and 10½ inches high. Made of oak. Drawers are divided as follows: 1st drawer has 256, 2nd has 192, 3rd has 176, 4th has 160 (total 784 compartments.)

It is a most complete cabinet, built to hold all sizes of glasses, each size and height separate. Glasses stand on edge. Chips, broken glass and dust can easily be removed by means of the openings provided in the back of the drawer.

See sectional view above.

This "None Dust Collecting" feature is quite an improvement over all other Glass Cases.

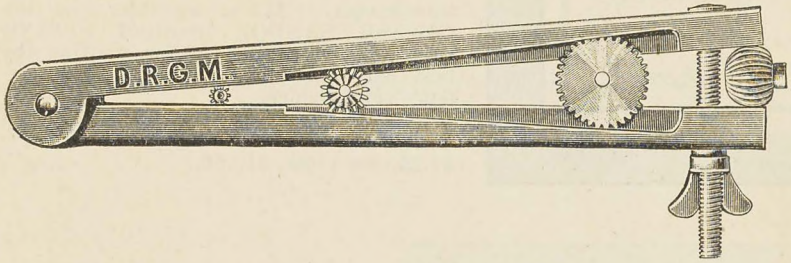
Price, each $6.50



The Koch Improved Pinvise.

A vise of novel construction—requires the use of but one hand in operating same. Pulling downward the corrugated centerpiece opens the jaws—and upon releasing same they are closed by means of a spring. In order to tighten the grip on the object to be held, the lever is pulled down with the fore finger. Simple in construction and well made. Full nickel plated.

Price, 60c. each.



Combination Wheel, Pinion and Crown Clamp No. 10.

A new claimant for your consideration. This tool is a special devise for clamping wheels, pinions, or any round article to be broached. The clamping parts (inserted in a nickel plated frame) are made of lead to avoid slipping or marring of polished surfaces. Also very well adapted for holding crowns when opening, drilling, or tapping same. Nicely nickel plated. Price, 75c each.

TRUE BLUE MAINSPRINGS.

A most serviceable mainspring. While they lack the high finish and care bestowed on the Longeval and U. S. Robert springs, nevertheless, they are to be well recommended, and the many thousand grosses that have been sold are the best testimonial. Made in all sizes and for all grades of American Watches.

Price, per dozen, $1.00.

CARDINAL POINTS

N

MADE FROM PROPER STOCK.

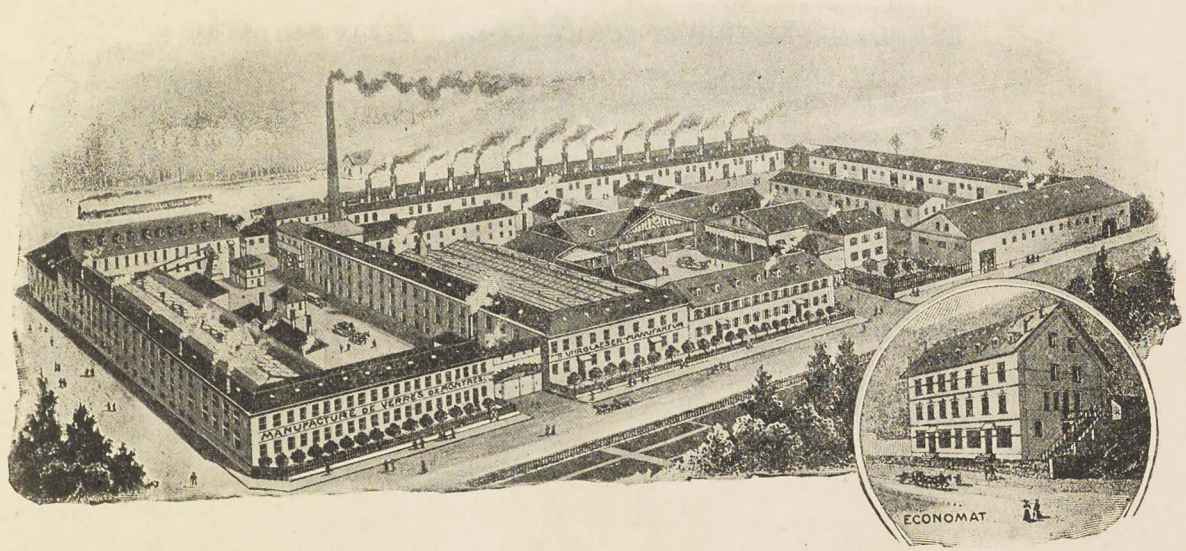
FITTED IN LEAST TIME.

W — E

BREAKAGE REDUCED TO A MINIMUN.

ACCURATELY GUAGED AND COR-RECTLY LABELED.

S



The home of the **V. T. F.** Watch Glasses, Trois Fontaines (Lorraine), Germany.

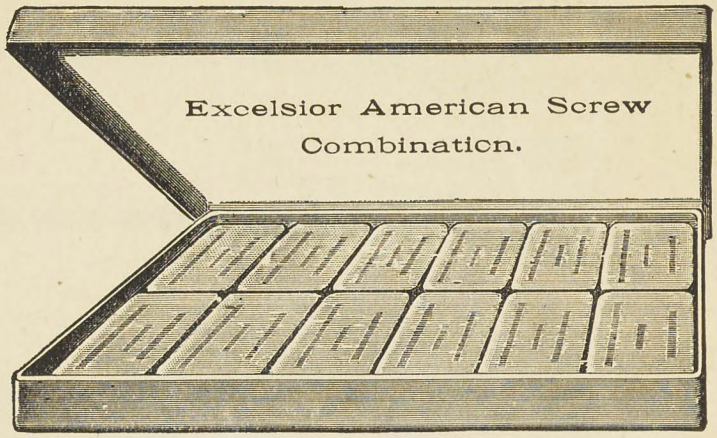
THE LARGEST WATCH GLASS FACTORY IN THE WORLD.

REVERSE.

The **V. T. F.** Watch Glasses bear this label.

Insist upon getting the **V. T. F.** and take no other.

N. B.—See that each Geneva Glass is wrapped separately in tissue paper, and this paper stamped **V. T. F.** and the size of the glass.



EXCELSIOR AMERICAN SCREW COMBINATION NO. 1.

No. 1. . . . . Casescrews for Waltham 18s N. M.
No. 2. . . . . Casescrews for Waltham 18s O. M.
No. 3. . . . . Casescrews for Waltham 16s
No. 4. . . . . Casescrews for Waltham 12s
No. 5. . . . . Casescrews for Waltham 6s
No. 6. . . . . Casescrews for Waltham 0s
No. 7. . . . . Casescrews for Elgin 18s Flat
No. 8. . . . . Casescrews for Elgin 18s bev.
No. 9. . . . . Casescrews for Elgin 16s
No. 10. . . . . Casescrews for Elgin 12s
No. 11. . . . . Casescrews for Elgin 6s
No. 12. . . . . Casescrews for Elgin 0s

Contents 1 gross as described above . . . . . Price $1.50

EXCELSIOR AMERICAN SCREW COMBINATION NO. 2.

No. 1. . . . Casescrews for Waltham 18s N. M. blue
No. 2. . . . Casescrews for Waltham 18s N. M bright
No. 3. . . . . Casescrews for Elgin 18s flat
No. 4. . . . . Casescrews for Elgin 18s bev.
No. 5. . . . . Casescrews for Hampden 18s
No. 6. . . . . Casescrews for Illinois 18s
No. 7. . . . . Casescrews for Seth Thomas 18s
No. 8. . . . . Casescrews for Columbus 18s
No. 9. . . . . Casescrews for Rockford 18s
No. 10. . . . . Casescrews for N. Y. Stan. 18s
No. 11. . . . . Casescrews for Trenton 18s
No. 12. . . . . Casescrews for Aurora 18s

Contents 1 gross as described above . . . . . Price $1.50

EXCELSIOR AMERICAN SCREW COMBINATION NO. 3.

No. 1. . . . Pillar screws for Waltham 18s N. M. flat
No. 2. . . Pillar screws for Waltham 18s N. M. bev.
No. 3. . . . . Pillar screws for Waltham 16s
No. 4. . . . . Pillar screws for Waltham 12s
No. 5. . . . . Pillar screws for Waltham 6s
No. 6. . . . . Pillar screws for Waltham 0s
No. 7. . . . . Pillar screws for Elgin 18s flat
No. 8. . . . . Pillar screws for Elgin 18s bev.
No. 9. . . . . Pillar screws for Elgin 16s
No. 10. . . . . Pillar screws for Elgin 12s
No. 11. . . . . Pillar screws for Elgin 6s
No. 12. . . . . Pillar screws for Elgin 0s

Contents as described above . . . . . Price $1.25

EXCELSIOR AMERICAN SCREW COMBINATION NO. 4.

No. 1 . . Pillar screws for Waltham 18s N. M. blue
No. 2. Pillar screws for Waltham 18s N. M. bright
No. 3. . . . . Pillar screws for Elgin 18s blue
No. 4. . . . . Pillar screws for Elgin 18s bright
No. 5. . . . . Pillar screws for Hampden 18s
No. 6. . . . . Pillar screws for Illinois 18s
No. 7. . . . . Pillar screws for Rockford 18s
No. 8. . . . . Pillar screws for Seth Thomas 18s
No. 9. . . . . Pillar screws for Columbus 18s
No. 10. . . . . Pillar screws for N. Y. Stan. 18s
No. 11. . . . . Pillar screws for Trenton 18s
No. 12. . . . . Pillar screws for Aurora 18s

Contents 1 gross as described above . . . . . Price $1.25

EXCELSIOR AMERICAN SCREW COMBINATION NO. 5.

No. 1. . . . . Balance screws for Elgin 18s
No. 2. . . . . Balance screws for Elgin 16s
No. 3. . . . . Balance screws for Elgin 12s
No. 4. . . . . Balance screws for Elgin 6s
No. 5. . . . . Balance srews for Elgin 0s
No. 6. . . . . Balance screws for Waltham 0s
No. 7. . . . . Balance screws for Waltham 18s P. S.
No. 8. . . . . Balance screws for Waltham 18s N. M.
No. 9. . . . . Balance screws for Waltham 16s
No. 10. . . . . Balance screws for Waltham 14s
No. 11. . . . . Balance screws for Waltham 12s
No. 12. . . . . Balance screws for Waltham 6s

Contents 1 gross as described above . . . . . Price $1.25

EXCELSIOR AMERICAN SCREW COMBINATION NO. 6.

No. 1. . . . . Dial screws for Waltham 18s
No. 2. . . . Dial screws for Waltham 16s P.S. O.S.
No. 3. . . . Dial screws for Waltham 16s P.S. N.S.
No. 4. . . . . Dial screws for Waltham 12s
No. 5. . . . . Dial screws for Waltham 6s O.S.
No. 6. . . . . Dial screws for Waltham 6s P.S.
No. 7. . . . . Dial screws for Elgin 18s
No. 8. . . . . Dial screws for Elgin 16s
No. 9. . . . . Dial screws for Elgin 12s
No. 10. . . . . Dial screws for Elgin 6s
No. 11. . . . . Dial screws for Elgin 0s
No. 12. . . . . Dial screws for Waltham 0s

Contents 1 gross as described above . . . . . Price $1.25

EXCELSIOR AMERICAN SCREW COMBINATION NO. 7.

No. 1. . . . Banking screws for Waltham 18s N. M.
No. 2. . . . Banking screws for Waltham 18s P. S.
No. 3. . . . . Banking screws for Waltham 16s
No. 4. . . . . Banking screws for Waltham 12s
No. 5. . . . . Banking screws for Waltham 6s
No. 6. . . . . Banking screws for Waltham 0s
No. 7. . . . . Banking screws for Elgin 18s F. P.
No. 8. . . . . Banking screws for Elgin 18s ¾ P.
No. 9. . . . . Banking screws for Elgin 16s
No. 10. . . . . Banking screws for Elgin 12s
No. 11. . . . . Banking screws for Elgin 6s
No. 12. . . . . Banking screws for Elgin 0s

Contents 1 gross as described above . . . . . Price $2.00

EXCELSIOR AMERICAN SCREW COMBINATION NO. 8.

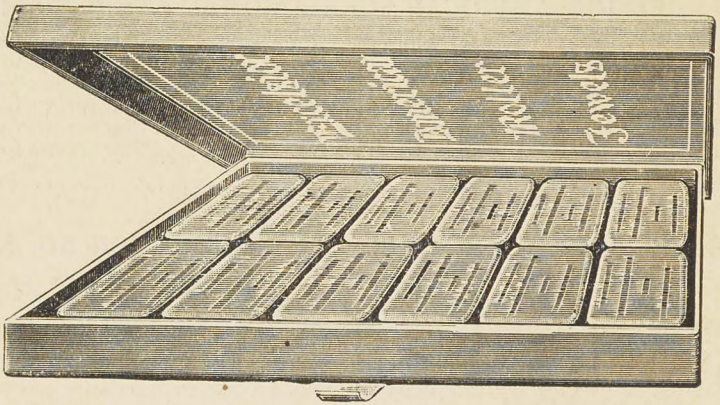
No. 1. . Hspg. stud screws for Waltham 18s N. M.
No. 2. . . Hspg. stud screws for Waltham 18s P. S.
No. 3. . . . . Hspg. stud screws for Waltham 16s
No. 4. . . . . Hspg. stud screws for Waltham 12s
No. 5. . . . . Hspg. stud screws for Waltham 6s
No. 6. . . . . Hspg. stud screws for Waltham 0s
No. 7. . . . . Hspg. stud screws for Elgin 18s F. P.
No. 8. . . . . Hspg. stud screws for Elgin 18s ¾ P.
No. 9. . . . . Hspg. stud screws for Elgin 16s
No. 10. . . . . Hspg. stud screws for Elgin 12s
No. 11. . . . . Hspg. stud screws for Elgin 6s
No. 12. . . . . Hspg. stud screws for Elgin 0s

Contents 1 gross as described above . . . . . Price $1.25

EXCELSIOR AMERICAN SCREW COMBINATION NO. 9.

No. 1. . . . . Jewel screws for Waltham 18s blue
No. 2. . . . . Jewel screws for Waltham 18s bright
No. 3. . . . . Jewel screws for Waltham 16s
No. 4. . . . . Jewel screws for Waltham 12s
No. 5. . . . . Jewel screws for Waltham 6s
No. 6. . . . . Jewel screws for Waltham 0s
No. 7. . . . . Jewel screws for Elgin 18s blue
No. 8. . . . . Jewel screws for Elgin 18s bright
No. 9. . . . . Jewel screws for Elgin 16s
No. 10. . . . . Jewel screws for Elgin 12s
No. 11. . . . . Jewel screws for Elgin 6s
No. 12. . . . . Jewel screws for Elgin 0s

Contents 1 gross as described above . . . . . Price $1.25



EXCELSIOR AMERICAN ROLLER JEWEL COMBINATION.

No. 1	For Waltham 18s	No. 7	For Elgin
No. 2	For Waltham 16s	No. 8	For Elgin
No. 3	For Waltham 12s	No. 9	For Elgin
No. 4	For Waltham 6s	No. 10	For Elgin
No. 5	For Waltham 0s	No. 11	For Elgin
No. 6	For Hampden 18s	No. 12	For Illinois

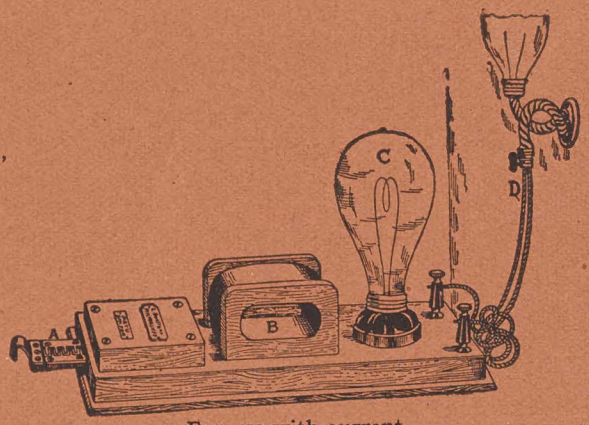
Contents 1 gross as described above ..... Price $2.50

EXCELSIOR AMERICAN COCK and FOOT JEWEL COMBINATION.

No. 1	For Waltham 18s cock	No. 7	For Waltham 0s cock
No. 2	For Waltham 18s foot	No. 8	For Waltham 0s foot
No. 3	For Waltham 16s cock	No. 9	For Elgin 18s cock and foot
No. 4	For Waltham 16s foot	No. 10	For Elgin 16s cock and foot
No. 5	For Waltham 6s cock	No. 11	For Elgin 6s cock and foot
No. 6	For Waltham 6s foot	No. 12	For Elgin 0s cock and foot

Contents, 3 dozen as described above ..... Price $2.50

Patented May 13th,
1902.



For use with current.

BOETTGER'S WATCH AND TOOL DEMAGNETIZER.

Since the introduction of electricity for motive power and the use of large Dynamos for lighting purposes, persons coming in contact with them, or riding in electric cars, are apt to have their watches affected by the strong magnets, and the steel parts of the watches becoming magnetized, seriously affect the timekeeping qualities of the watch.

The Boettger's new Demagnetizer is one of the most practical and most compact instruments constructed for destroying magnetism in steel and iron articles; it can be used on either direct, or alternating current circuit, or with batteries.

It has no wheels, or other mechanical parts, to get out of order.

It can be used for any voltage, as the lamp from the circuit is used on the instrument as resistance. The most important part of the instrument is a slide in the base. When this slide is not drawn, the current is disconnected.

When used on a direct current circuit, and slide is drawn out ½ inch, up to red mark, the current passes direct through the hollow spool of wire and all steel or iron articles inserted in the spool will become magnetized. By drawing out the slide, while the article is inserted, the article will become demagnetized, as in doing so the direct current will be formed in an alternating current.

If the instrument should be used in connection with an alternating current circuit it must be used in the opposite manner, then when slide is drawn out ½ inch up to red mark, the article which is magnetized will be demagnetized and will become magnetized by moving the slide.

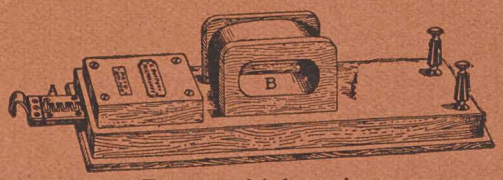
This instrument is intended only for watches or small tools, which can be inserted within the opening encircled by the insulated wire, although staking tool punches and other similar articles, can be readily demagnetized, by inserting the punch and withdrawing it briskly together with the slide, then quickly reversing same, putting it through precisely the same ordeal as before.

The construction of the machine is simplicity itself and there is nothing about it to seriously get out of order, all it needs is a little care, when it will accomplish the results every time.

Where no power can be obtained a special instrument is made, which can be used with 8 to 12 ordinary cells, or any other battery in the market.

Printed instructions accompany each instrument.

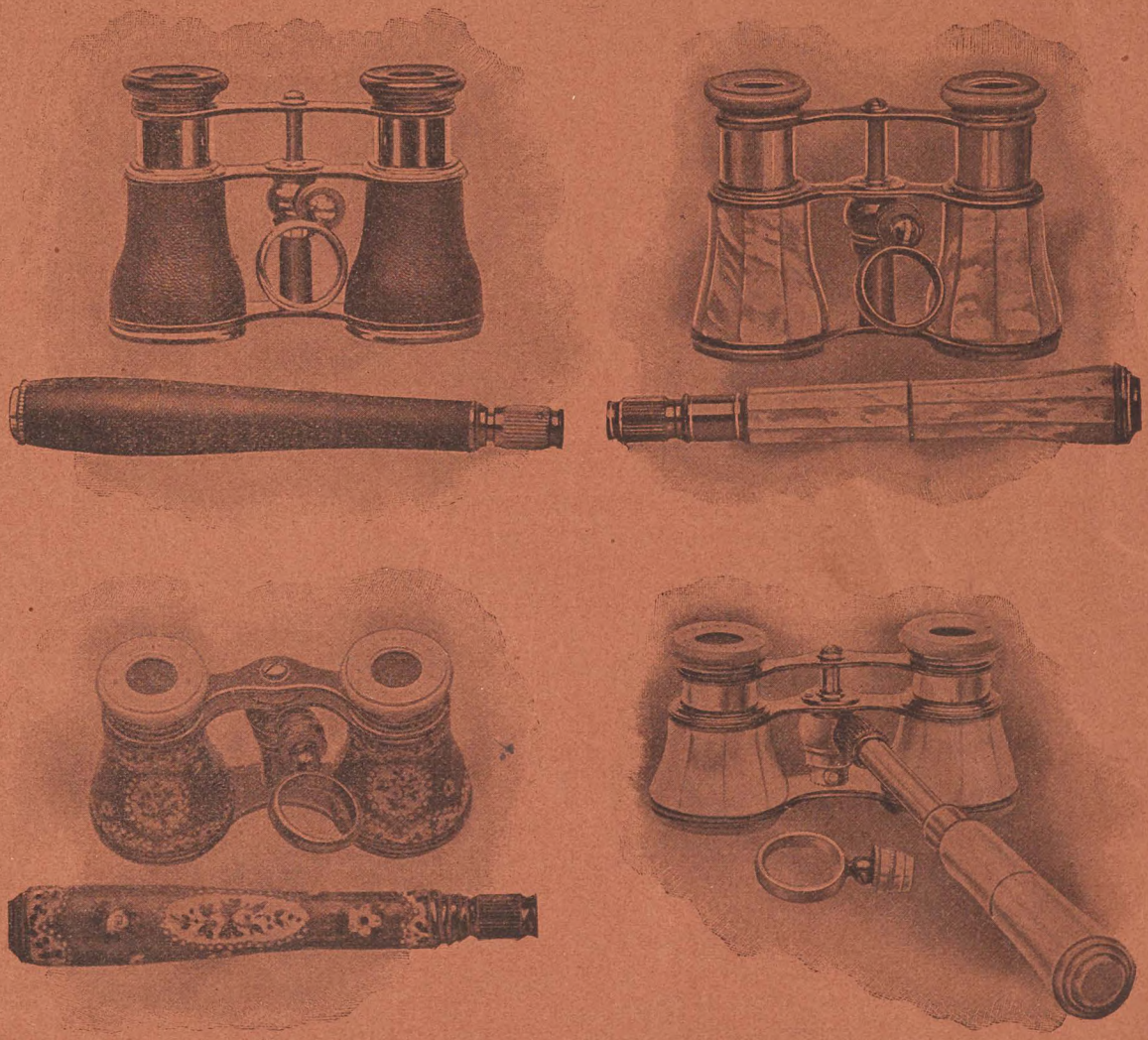
PRICE, EACH $15.00.



For use with batteries.
Price same as above.

LEMAIRE OPERA AND FIELD GLASSES.

(BLANK'S PATENT.)



These glasses are the only ones on the market permitting the free use of both hands in handling the programme or other article, besides combining the quickest focussing attachment ever produced, and the certainty of not dropping the glasses. No other opera or field glasses possess these features. The ring is easily taken off and a handle attached or vice versa.

PRICE.....from $6.60 up.

Obtainable in all the different grades manufactured by Lemaire.